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**INDEX**  
**TO**  
**THE CALCUTTA GAZETTE**  
**FROM**  
**JANUARY TO JUNE 1893.**

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# INDEX

## TO

# THE CALCUTTA GAZETTE

FROM JANUARY TO JUNE 1893.

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TO  
THE CALCUTTA GAZETTE  
FROM  
JANUARY TO JUNE 1893.





# Index to the Supplement

TO

## THE CALCUTTA GAZETTE

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## PART I.

### Orders and Notifications by the Lieutenant-Governor of Bengal, the High Court, Government Treasury, &c.

#### ORDERS BY THE LIEUT.-GOVERNOR OF BENGAL.

##### GOVERNMENT OF BENGAL, LEGISLATIVE DEPARTMENT.

##### NOTIFICATION.

*Dated Calcutta, the 3rd January 1893.*

THE Lieutenant-Governor appoints Saturday, the 7th instant, at 11 A.M., as the time, and the Bengal Council Chamber at Dalhousie Square as the place, for a meeting of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations, and hereby summons the several members of the said Council to attend the said meeting at the time and place appointed.

By order of the Lieutenant-Governor of Bengal,

C. H. REILY,

*Assistant Secretary to the Govt. of Bengal, Legislative Department.*

#### No. 1A.

GENERAL.—The 27th December 1892.—Mr. H. H. Heard, Deputy Magistrate and Deputy Collector, Southal Parganas, is appointed to have charge of the Godda sub-division of that district, *vice* Mr. W. C. Muller.

The 28th December 1892.—Mr. B. G. Geidt, Joint-Magistrate and Deputy Collector Rangpur, is appointed to act as District and Sessions Judge of Bankura, during the absence, on deputation, of Mr. Brojendra Oomarr Seal, or until further orders.

This cancels the order of the 21st November 1892 appointing Mr. T. D. Beighton to act as District and Sessions Judge of Bankura.

The services of Babu Raj Kishore Narayan Singh, Deputy Magistrate and Deputy Collector, Gaya, are placed at the disposal of the Revenue Department of this Government for employment on the survey and record of rights in North Bihar.

*The 29th December 1892.*—Babu Rasik Lal Sen, substantive *pro tempore* Deputy Magistrate and Deputy Collector, Tippera, is appointed to perform the functions of a Collector under section 4 of the Public Demands Recovery Act VII (B.C.) of 1880 in that district.

Lieutenant E. J. Webb, Northern Bengal Mounted Rifles, is allowed leave of absence for six months, with effect from the date on which he may avail himself of it.

*The 30th December 1892.*—Babu Dina Nath Dey, Deputy Magistrate and Deputy Collector, Rangpur, is allowed leave for two months, under article 291 of the Civil Service Regulations, with effect from the date on which he may avail himself of it.

Babu Mohini Mohan Chakravarti, Deputy Collector, is appointed to perform the functions of a Collector under section 4 of the Public Demands Recovery Act VII (B.C.) of 1880 in the district of Bhagalpur.

*The 31st December 1892.*—Mr. J. H. Bernard, Joint-Magistrate and Deputy Collector, on leave, is posted to the head-quarters station of the Muzaffarpur district.

Mr. C. A. Samuells, Magistrate and Collector, Malda, is allowed furlough for 20 months, under article 340 (b) of the Civil Service Regulations, with effect from the 15th March 1893.

*The 2nd January 1893.*—Second-Lieutenant W. A. Eaton, East Kent Regiment, is appointed to be an Extra Aide-de-Camp on the Personal Staff of the Lieutenant-Governor of Bengal.

Babu Behari Lal Mukhopadhyaya, Officiating Deputy Magistrate and Deputy Collector, is posted to the head-quarters station of the Muzaffarpur district.

*The 3rd January 1893.*—The services of the Revd. Charles Herbert Reynolds, Honorary Chaplain, Orissa Volunteer Rifle Corps, are placed at the disposal of the Government of the North-Western Provinces and Oudh.

Babu Devendra Nath Mitra, Sub-Deputy Collector, is allowed furlough for one year, under articles 261 and 371 (b) of the Civil Service Regulations, with effect from the 8th October 1892.

The order of the 29th November 1892, granting fifteen days' privilege leave to Maulvi Syed Mohammad Nasiruddin, Deputy Magistrate and Deputy Collector, Shahabad, is cancelled.

Babu Narendra Kumar Chowdhuri, substantive *pro tempore* Sub-Deputy Collector, Burdwan Division, is posted to the Contai sub-division of the Midnapore district, with effect from the forenoon of the 30th October 1892.

Babu Bhobotosh Bhuerjee, Deputy Magistrate and Deputy Collector, Rangpur, is allowed leave for one month, under article 291 of the Civil Service Regulations, with effect from the 15th December 1892.

Babu Mohini Mohan Chakravarti, Deputy Magistrate and Deputy Collector, Bhagalpur, is vested with the powers of a Collector under Act X of 1873 in that district.

**POLICE.**—*The 3rd January 1893.*—Kumar Gajendra Narain (junior) is appointed to be a Supernumerary Assistant Superintendent of Police in Bengal, and is posted to the head-quarters station of the district of Lohardaga.

**JAILS.**—*The 3rd January 1893.*—Mr. Nritya Gopal Mukherjee, Deputy Collector on special duty, is appointed to be a Visitor of the Berhampore and Khuina Jails.

**REGISTRATION.**—*The 3rd January 1893.*—Babu Purna Chandra Ray is appointed to be Rural Sub-Registrar of Khajri, in the district of Midnapore.

**ECCLESIASTICAL.**—*The 3rd January 1893.*—The Revd. R. S. Wood is appointed to be Chaplain of Dum-Dum with effect from the 15th December 1892, or from the date of his joining that appointment.

The Revd. J. M. Macdonald, Chaplain of Howrah, on leave, is appointed to be Chaplain of Cuttack.

H. J. S. COTTON,  
Chief Secy. to the Govt. of Bengal.

#### REVENUE DEPARTMENT,—(FORESTS.)

##### NOTIFICATION.—No. 13 For.

*The 3rd January, 1893.*—Mr. C. S. Murray, C.I.E., Assistant Commissioner, Chittagong Hill Tracts, was in charge of the Chittagong Forest Division, from the afternoon of the 10th July 1892, to the afternoon of the 26th August 1892, when he was relieved by Mr. O. G. D. Fordyce, Officiating Deputy Conservator of Forests, second grade.

C. E. BUCKLAND,  
Secy. to the Govt. of Bengal.

NOTIFICATION.—No. 4599L.R.

*The 30th December 1892.*—Under section 3 of Act V (B.C.) of 1875, the Lieutenant-Governor is pleased to order that a survey shall be made of all the lands included within the boundaries of the following temporarily settled estates and shares of such estates in pargana Pátaspur, in the district of Midnapore, and that the boundaries of estates, tenures, mausams and fields be demarcated on the lands to be surveyed :—

		A.	G.	K.	K.
1. Dehat Gokulpur.	10. Mirjapur ...	10	0	0	0
2. Mangalpur.	11. Ditto ...	34	0	0	0
3. Mokrapur.	12. Ditto ...	24	0	0	0
4. Khorikapattua.	13. Naipur ...	8	13	1	1
5. Srirampur.	14. Ditto ...	4	13	1	1
6. Joykrishnapur.	15. Chak Bhabani.				
7. Munpur.	16. Gaugasagar.				
8. Mangraj.	17. Haridaspur.				
9. Madhabpur.	18. Podima.				

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

NOTIFICATION.—No. 4609L.R.

*The 30th December 1892*—Under section 4 of Act V (B.C.) of 1875, the Lieutenant-Governor is pleased to appoint Mr. G. Campbell, Extra Assistant Superintendent, to be Assistant Superintendent for the purpose of carrying out the survey of the Pátaspur Estates in Midnapore.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

REVENUE DEPARTMENT,—(AGRICULTURE)

DECLARATION—No. 4562Agri.

*The 28th December 1892.*—Whereas it appears to the Lieutenant-Governor of Bengal that land is required to be taken by Government at the public expense for a public purpose, viz., for the construction of a building for the accommodation of the institution known as the Bengal Veterinary Institution in the village of Belgachia, zilla 24-Parganas, it is hereby declared that for the above purpose a piece of land measuring, more or less, 1 bigha and 2 cottahs of standard measurement, bounded on the north and east by Government land, on the south by Mathura Nath Coondoo's land, and on the west by Babu Shewbux Bagla's land, is required within the aforesaid village of Belgachia.

This declaration is made, under the provisions of section 6 of Act X of 1870, to all whom it may concern.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

NOTIFICATION.—No. 3795.

*The 31st December 1892.*—In exercise of the powers conferred on him by section 3 of the Indian Factories Act XV of 1881, the Lieutenant-Governor is pleased to appoint Mr. J. H. Lea, Sub-divisional Officer of Narayanganj, to be Inspector of Factories in that sub-division.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

MEDICAL DEPARTMENT.

*No. 3549Med.—The 29th December 1892.*—Surgeon-Captain G. Jameson has been granted by Her Majesty's Secretary of State for India an extension of furlough for six months on medical certificate.

*No. 3552Med.—The 29th December 1892.*—Assistant Surgeon Hari Charan Sen is appointed temporarily to have medical charge of the civil station of Khulna, with effect from the forenoon of the 15th December 1892.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

JUDICIAL DEPARTMENT.

No. 2A.

*The 28th December 1892.*—The Lieutenant-Governor accepts the resignation tendered by Mr. William Miller of his appointment as an Honorary Magistrate of the Asansol Independent Bench in the district of Burdwan.

Mr. Robert George Higby is appointed to be an Honorary Magistrate of the Asansol Independent Bench in the district of Burdwan, and is vested with the powers of a Magistrate of the third class.

**The 29th December 1892.**—The Lieutenant-Governor accepts the resignation tendered by Mr. H. Ward of his appointment as an Honorary Magistrate of the Giridih Bench in the district of Hazaribagh.

**The 30th December 1892.**—Babu Chandi Charan Sen, Munsif of Munshiganj, in the district of Dacca, on deputation to Kaliganj in the same district, is vested with the powers of a Judge of a Court of Small Causes for the trial of suits cognizable by such a Court up to the value of Rs. 100, and with the powers conferred on District Judges by sections 344 to 359 (both inclusive) of the Code of Civil Procedure in cases where the amount of debts due does not exceed Rs. 1,000 in value, and further with the functions of a District Court under section 26, sub-section (1) of Act VII of 1889 (the Succession Certificate Act), within the local limits of the Kaliganj Munsifi, during the absence, on leave, of Babu Sashi Bhushan Chatterjee, or until further orders.

In the exercise of the power conferred by section 26, sub-section (1) of Act VII of 1889 (the Succession Certificate Act), the Lieutenant-Governor temporarily invests Babu Advaita Prasad De, Munsif of Munshiganj, in the district of Dacca, with the functions of a District Court under that Act, within the local limits of the Munshiganj Munsifi, during the absence, on deputation, of Babu Chandi Charan Sen, or until further orders.

Babu Dwarka Nath Ghose is appointed to be an Honorary Magistrate of the Municipal Bench at Jessore in the district of Jessore, and is vested with the powers of a Magistrate of the third class.

The Lieutenant-Governor accepts the resignation tendered by Babu Jogendra Nath Moitra of his appointment as an Honorary Magistrate of the Independent Bench at Basirhat in the district of the 24-Parganas.

Mr. F. McBlaine, Officiating Joint-Magistrate and Deputy Collector, Mymensingh, is vested with powers under sections 110, 133 and 524 of the Code of Criminal Procedure.

Under the authority vested in him by the final clause of section 357 of the Code of Criminal Procedure, Act X of 1882, the Lieutenant-Governor empowers Babu Raj Kishore Das, Officiating Deputy Magistrate and Deputy Collector, Cuttack, to take down evidence in criminal cases in the English language.

**The 2nd January 1893.**—Babu Behari Lal Mukhopadhyaya, Officiating Deputy Magistrate and Deputy Collector, Muzaffarpur, is vested with the powers of a Magistrate of the third class.

**The 3rd January 1893.**—The following officers are vested with the powers of a Magistrate of the second class :—

Babu Sarat Chunder Sen Gupta, Officiating Deputy Magistrate and Deputy Collector, Chittagong.

Babu Suresh Chunder Sinha, Officiating Deputy Magistrate and Deputy Collector, Noakhali.

Babu Srigopal Bhattacharjya, Officiating Deputy Magistrate and Deputy Collector, Cuttack.

Babu Syam Lal Gupta, Officiating Deputy Magistrate and Deputy Collector, 24-Parganas.

Babu Fakir Chunder Chatterjee, Officiating Deputy Magistrate and Deputy Collector, Bogra.

Babu Ashutosh Banerjee, Officiating Deputy Magistrate and Deputy Collector, Pabna.

Babu Suresh Chunder Ball, Officiating Deputy Magistrate and Deputy Collector on Excise duty, Hooghly and Howrah.

Babu Brajendra Nath Roy, Officiating Deputy Magistrate and Deputy Collector, Puri.

Babu Pyari Mohan Bose, Officiating Deputy Magistrate and Deputy Collector on Settlement duty, Backergunge.

Babu Siva Sankar Singh, Officiating Deputy Magistrate and Deputy Collector on Special duty under the Public Works Department of this Government.

Babu Hira Lal Sen, Sub-Deputy Collector, Dinajpur.

„ Ramniranjan Prasad, Sub-Deputy Collector, Gopalganj, Saran.

„ Purna Chunder Nag, Sub-Deputy Collector, Mymensingh.

„ Nadia Chand Dutt, substantive *pro tempore* Sub-Deputy Collector, Khurda, Puri.

Babu Debendra Prasad Roy, substantive *pro tempore* Sub-Deputy Collector, Jalpaiguri.

The following officers are vested with the powers of a Magistrate of the third class :—

Babu Nityanand Ghose, Sub-Deputy Collector employed on Land Acquisition work, Cuttack.

Babu Lolit Chunder Das Gupta, substantive *pro tempore* Sub-Deputy Collector, Singhbhum.

Babu Ashutosh Chatterjee, substantive *pro tempore* Sub-Deputy Collector, Hooghly.

„ Makhan Lal Chatterjee, Officiating Sub-Deputy Collector, Muzaffarpur.

„ Hem Chunder Chatterjee, Officiating Sub-Deputy Collector, Meherpur, Nadia.

The Lieutenant-Governor accepts the resignation tendered by Babu Ananda Gopal Mukerjee of his appointment as an Honorary Magistrate of the Meherpur Independent Bench, in the district of Nadia.

The Lieutenant-Governor accepts the resignation tendered by Babu Gopi Chand Setia of his appointment as an Honorary Magistrate of the Lalbag Independent Bench, in the district of Murshidabad.

The Lieutenant-Governor accepts the resignation tendered by Babu Umesh Chandra Dutt of his appointment as an Honorary Magistrate of the Municipal Bench at Krishnagar, in the district of Nadia.

The Sadar Independent Bench of Honorary Magistrates at Cuttack is vested, under section 15 of Act X of 1882, with the powers of a Magistrate of the second class.

In the exercise of the power conferred by section 26, sub-section (1) of Act VII of 1889 (the Succession Certificate Act), the Lieutenant-Governor invests Babu Upendra Chandra Ghose, Munsif of Magura, and Babu Kali Dhan Chatterjee, Munsif of Saikbira, in the district of Jessore, with the functions of a District Court under that Act within the local limits of their respective jurisdictions.

**GRANT OF LEAVE TO MUNSIFS.**—*The 21st December 1892.*—Babu Kanti Chandra Mookerjee, Munsif of Chikandi, in the district of Faridpur, is allowed leave for one month and 15 days, viz., one month and 13 days under articles 307 and 309 of the Civil Service Regulations, and the remaining period under article 306(b) of the same Regulations, with effect from the 6th January 1893, or from the date on which he is relieved, in supersession of the leave granted to him on the 8th instant.

Babu Mohendro Nath Dass, Munsif of Siwan, in the district of Saran, is allowed leave for one month under article 306(b) of the Civil Service Regulations, with effect from the date on which he is relieved.

*The 22nd December 1892.*—Babu Shama Charan Chackerbutty, Additional Munsif of Jajpur, in the district of Cuttack, is allowed leave for one month and two days, under article 306(b) of the Civil Service Regulations, with effect from the 5th January 1893, or from the date on which he is relieved.

Babu Raj Narain Chuckerbutty, Munsif of Arrareah, in the district of Purnea, is allowed leave for one day, viz., the 22nd ultimo, under article 306(b) of the Civil Service Regulations, in extension of the leave granted to him on the 11th November 1892.

*The 30th December 1892.*—Babu Gopal Chandra Chatterjee, Munsif of Hathazari, in the district of Chittagong, is allowed leave for 35 days, under article 306(b) of the Civil Service Regulations, with effect from the 9th January 1893, or from the date on which he may be relieved.

*The 31st December 1892.*—Babu Ambica Charan Mookerjee, Munsif of Nelphamari, in the district of Rangpur, is allowed leave for one month-and-a-half, under article 306(b) of the Civil Service Regulations, in extension of the leave granted to him on the 19th November 1892.

H. J. S. COTTON,  
*Chief Secy. to the Govt. of Bengal.*

#### NOTIFICATION.

*The 3rd January 1893.*—It is hereby notified for general information that the Registration sub-district comprising thana Gaffargaon, with head-quarters at Gaffargaon, in the Sadar sub-division of the district of Mymensingh, the formation of which was sanctioned in the Notification, dated the 14th July 1892, published at page 735, Part I of the *Calcutta Gazette* of the 20th idem, was opened on the 22nd July 1892, on and from which date the above Notification should take effect instead of from the 1st August 1892, as stated therein.

H. J. S. COTTON,  
*Chief Secy. to the Govt. of Bengal.*

#### NOTIFICATION.

*The 3rd January 1893.*—Under the provisions of section 5 of the Indian Registration Act III of 1877, the Lieutenant-Governor sanctions the formation of a new Registration sub-district comprising thana Khajri, with head-quarters at Khajri in the sub-division of Contai, in the district of Midnapore. The Registration sub-district of Kajlagar will henceforth be restricted to thana Bhagwanpur only.

This notification will take effect on and from the 15th January 1893.

H. J. S. COTTON,  
*Chief Secy. to the Govt. of Bengal.*

#### PUBLIC WORKS DEPARTMENT,—BENGAL.

##### ESTABLISHMENT.

*The 30th December 1892.*

No. 364.—Adverting to the Notification of this Department, No. 322 of the 15th November 1892, Rai Bahadur Amrito Lal Roy Chowdry, Executive Engineer, second grade, is appointed to be Inspector of Works, Eastern Circle, during the absence, on leave, of Rai Bahadur Madhub Chunder Roy, or until further orders.



No. 366.—The following reversion is ordered in the Engineer Establishment with effect from the date specified :—

NAME.	From	To	With effect from
Mr. J. P. Cleghorn ...	Executive Engineer, third grade, <i>sub. pro tem.</i>	Executive Engineer, fourth grade.	24th October 1892.

## RAILWAY.

The 30th December 1892.

No. 367.—*Declaration.*—Whereas it appears to the Lieutenant-Governor of Bengal that land is required to be taken by Government at the public expense for a public purpose, viz., for the construction of a new ghat station on deep channel of the river Ganges at the old Simaria ghat in the villages of Simaria and Simaria Nisfi, pargana Malki, zilla Monghyr, it is hereby declared that for the above purpose a piece of land measuring, more or less, 213 bighas 4 cottaks 13 dhurs of standard measurement, bounded on the East by pathway leading to Karoo Polla in mauza Simaria; North by mauza Simaria; West by Simaria ghat station yard; South by navigable channel of the river Ganges, is required within the aforesaid villages of Simaria and Simaria Nisfi.

This declaration is made, under the provisions of section 6 of Act X of 1870, to all whom it may concern.

## ESTABLISHMENT.

The 30th December 1892.

No. 368.—The services of Mr. W. H. Nightingale, Superintending Engineer, Northern Circle, are temporarily placed at the disposal of the Government of India.

No. 369.—The following notification, issued by the Government of India in the Public Works Department, is republished for information :—

No. 461, dated the 23rd December 1892.—Mr. W. H. Nightingale, Superintending Engineer, second class, temporary rank, Bengal, whose services have been temporarily placed at the disposal of the Government of India, is appointed to officiate as Superintending Engineer and Secretary to the Chief Commissioner of Assam, in the Public Works Department.

No. 370.—Mr. W. B. Christie, Executive Engineer, is appointed to officiate as Superintending Engineer of the Northern Circle, *vice* Mr. Nightingale, on deputation, or until further orders.

No. 371.—Mr. C. P. Ward is appointed to hold temporary charge of the 1st Calcutta Division in addition to his present duties, *vice* Mr. W. B. Christie, on deputation, or until further orders.

No. 372.—Mr. J. H. Toogood, Executive Engineer, is, on return from special duty, appointed to hold charge of the 1st Calcutta Division.

## RAILWAY.

The 30th December 1892.

No. 373.—*Declaration.*—Whereas it appears to the Lieutenant-Governor of Bengal that land is required to be taken by Government at the public expense for a public purpose, viz., for diversion of the high road at Mokameh ghat outside the limits of the new transshipment yard near Mokameh ghat station in pargana Gyaspur, zilla Patna, it is hereby declared that for the above purpose a piece of land measuring, more or less, 7 bighas 19 cottaks 7 dhurs 4 dhurkis of local measurement, is required at the aforesaid place.

This declaration is made, under the provisions of section 6 of Act X of 1870, to all whom it may concern.

## ESTABLISHMENT.

The 30th December 1892.

No. 374.—The Lieutenant-Governor is pleased to make the following promotions in the Engineer Establishment with effect from the dates specified :—

Names.	From	To	With effect from	Nature of promotion.
Mr. L. R. Fraser ...	Executive Engineer, III, <i>sub. pro tem.</i>	Executive Engineer, III.	3rd November 1892.	Permanent.
„ J. S. L. Long ...	Assistant Engineer, I	Executive Engineer, IV.	21st September 1892.	Temporary.
„ C. P. Ward ...	Ditto, I	Ditto ...	29th October 1892.	Ditto.
„ O. S. Smith ...	Ditto, II	Assistant Engineer, I.	21st October 1892.	Permanent.

**No. 875.**—Mr. G. F. Bartlett, Honorary Assistant Engineer, Darjeeling Division, having returned on the forenoon of the 29th December 1892 from the leave granted to him in Bengal Government Notification No. 219, dated the 8th July 1892, the unexpired portion of that leave is hereby cancelled.

*The 3rd January 1893.*

**No. 2.**—The following extract from a notification issued by the Government of India, in the Foreign Department, is republished for information:—

*No. , dated the 3rd January 1893.*

His Excellency the Viceroy and Governor-General is pleased to confer upon Babu Troylukho Nath Siroar, Supervisor in the Public Works Department of Bengal, the title of Rai Sahib as a personal distinction.

**No. 3.**—Mr. J. P. Cleghorn, Executive Engineer, Chota Nagpur Division, is transferred to the 1st Calcutta Division.

F. J. JOHNSTONE,  
*Secy. to the Govt. of Bengal.*

#### ESTABLISHMENT.

*The 30th December 1892.*

**No. 365.**—Mr. G. L. Searight, Assistant Engineer, is, on return from the furlough granted in Notifications Nos. 231, 3, and 224, dated respectively the 22nd June 1891, the 5th January, and 12th July 1892, posted to the Sone Circle.

*The 3rd January 1893.*

**No. 1.**—Mr. T. H. Clowes, Executive Engineer, Balasore Division, is granted furlough for nine months, with effect from the 23rd February 1893, or such subsequent date as he may avail himself of it.

C. W. ODLING,  
*Joint-Secy. to the Govt. of Bengal.*

#### GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

*The 29th December 1892.*

**No. 120.**—Under section 7 of Act IV (B.C.) of 1887, the Lieutenant-Governor accepts the resignation tendered by Mr. G. E. Manisty of his appointment as a Commissioner of the Port of Chittagong.

**No. 121.**—Under the provisions of section 9 of Act IV (B.C.) of 1887, the Lieutenant-Governor is pleased to appoint Mr. F. A. Slack, Magistrate and Collector of Chittagong, to be a Commissioner of that Port, *vice* Mr. G. E. Manisty, resigned.

C. W. ODLING,  
*Joint-Secy. to the Govt. of Bengal.*

#### JAIL DEPARTMENT.

**No. 13170, dated the 28th December 1892.**—Surgeon-Major G. M. Shewan made over charge of the Arrah Jail to Assistant Surgeon Nitto Gopal Mitter on the forenoon of the 8th December 1892.

**No. 13195, dated the 28th December 1892.**—Assistant Surgeon Nobin Chunder Dutt made over charge of the Noakhali Intermediate Jail to Surgeon-Captain J. G. Jordan on the forenoon of the 17th December 1892.

**No. 13196, dated the 28th December 1892.**—Mr. E. W. Payne made over charge of the Dacca Central Jail to Mr. W. & C. Beadon on the afternoon of the 19th December 1892.

A. D. LARMORE,  
*For Insp.-Genl. of Jails, Bengal.*

#### EDUCATION DEPARTMENT, BENGAL.

##### Subordinate Educational Service.

**The 13th December 1892.**—Babu Bindu Lal Banerjea, Second Master of the Monghyr School (class VI), was granted by the Joint-Committee of Monghyr further leave on medical certificate for one month.

**The 14th December 1892.**—Babu Radha Lal, Deputy Inspector of Schools, Champaran, (class IV), is allowed leave of absence for three months, under Article 291 of the Civil Service Regulations, with effect from the 17th November 1892.

Babu Sajiwan Lal, B.A., Deputy Inspector of Schools, Darbhanga (class V), is appointed to act as Deputy Inspector of Schools, Champaran, *vice* Babu Radha Lal, on leave.

Babu Mukunda Lal, Departmental Sub-Inspector of Schools, Darbhanga (class VI), is appointed to act as Deputy Inspector of Schools, Darbhanga, in addition to his own duties, and to officiate in class V, during the absence, on deputation, of Babu Sajiwan Lal.

*The 15th December 1892.*—Babu Uma Charan Ghosh, Second Master of the Comilla Zilla School (class VI), was absent on leave under Article 372 of the Civil Service Regulations, from the 15th to the 22nd June 1892, both days inclusive.

*The 21st December 1892.*—Babu Charu Chandra Chatterjea, Deputy Inspector of Schools, Burdwan (class III), is allowed leave of absence for three months, under Article 291 of the Civil Service Regulations, with effect from the 3rd January 1893, or such subsequent date as he may avail himself of it.

Babu Mahesh Chandra Chatterjea, Additional Deputy Inspector of Schools, Burdwan (class V), is appointed to act as Deputy Inspector of Schools, Burdwan, *vice* Babu Charu Chandra Chatterjea, on leave, or until further orders.

Babu Pramatha Nath Chatterjea, M.A., Second Master of the Bankura Zilla School (officiating in class VI), is appointed to act as Additional Deputy Inspector of Schools, Burdwan, *vice* Babu Mahesh Chandra Chatterjea, on deputation, or until further orders.

Babu Hari Nath Chatterjea, Deputy Inspector of Schools, Balasore (class V), on leave, is appointed to act as Second Master of the Bankura Zilla School, *vice* Babu Pramatha Nath Chatterjea, on deputation, or until further orders.

Babu Sri Nath Guha, Departmental Sub-Inspector of Schools, Mymensingh, under orders of transfer to Backergunge (class VI), is allowed leave of absence for two months under Article 291 of the Civil Service Regulations, with effect from the 20th December 1892, or such subsequent date as he may avail himself of it.

*The 21st December 1892.*—Babu Sura Nath Chatterjea, Head Master of the Muzaffarpur Zilla School (class V and officiating in class IV), is appointed to be Head Master of the Gaya Zilla School, with effect from the 1st January 1893, *vice* Babu Gobinda Chandra Mitra, retired.

Babu Baladeb Ram Jha, B.A., Second Master of the Arrah Zilla School, and now temporary Head Master of the Gaya Zilla School (class V), is appointed temporarily to be Head Master of the Muzaffarpur Zilla School, with effect from the 1st January 1893, *vice* Babu Sura Nath Chatterjea, transferred.

CHARLES H. TAWNEY,

*Offg. Director of Public Instruction, Bengal.*

### List of Candidates who have obtained Middle Scholarships in the Rajshahi Division, 1892-93.

#### MIDDLE ENGLISH SCHOLARSHIPS.

##### *Pabna.*

Yogendra Narayan Saha	...	...	Sarasia M. E. School.
Makhan Lal Saha	...	...	Pakuriya M. E. School.
Kedar Nath Ghosh	...	...	Sarasia M. E. School.

##### *Rajshahi.*

Nalini Kanta Chaudhuri	...	...	Kasimpur M. E. School.
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##### *Rangpur.*

Srimanta Sarkar	...	...	Kailas Ranjan M. E. School.
Surendra Nath Guha	...	...	Kurigram M. E. School.
Lalit Chandra Guha	...	...	Ditto.
Lalit Chandra Chaki	...	...	Haripur M. E. School.
Mahmuddin Ahmad	...	...	Kailas Ranjan M. E. School.
Asanuddin Sekh	...	...	Gopalpur M. E. School.

#### MIDDLE VERNACULAR SCHOLARSHIPS.

##### *Bogra.*

Asmatulla Sekh	...	...	Bogra Model School.
Kuzem Ali Khondkar	...	...	Ditto.
Sadarat Ali Miya	...	...	Khetlal M. V. School.
Kalimuddin Mandal	...	...	Madla M. E. School.

##### *Dinajpur.*

Satis Chandra Ghosh	...	...	Dinajpur Municipal Model School.
Naba Kumar Kundu	...	...	Madhabhati Model School.
Ram Gopal Pal	...	...	Ditto.
Uma Kanta Das	...	...	Dinajpur Municipal Model School.
Tag Ali Sarkar	...	...	Alagdihi Model School.
Lakshan Chandra Das	...	...	Baragram M. V. School.
Yamini Kanta Ghosh	...	...	Raiganj M. E. School.

##### *Jalpaiguri.*

Yogendra Nath Ray	...	...	Patgram M. V. School.
Hem Chandra Pal	...	...	Maynaguri Model School.

<i>Pabna.</i>		
Mohan Lal Datta	...	Rajapur M. V. School.
Mohini Mohan Kunda	...	Potajca M. V. School.
Madhabi Lal Baishnab	...	Mohanpur Balaknath.
Durga Prasad Datta	...	Baniyapati M. E. School.
<i>Rajshahi.</i>		
Kali Mohan Talukdar	...	Talenda M. E. School.
Ramani Kanta Goswami	...	Haghoria M. V. School.
Azimuddin Sardar	...	Nayagaon H. E. School.
Hari Ram Mukhopadhyay	...	Arani M. V. School.
Giris Narayan Bagchi	...	Lalpur M. E. School.
Debendra Nath Roy	...	Kasimpur M. E. School.
Radha Nath Das Bairagi	...	Lalpur M. E. School.
Haris Chandra Chattopadhyay	...	Boaliya Lokuath M. E. School.
<i>Rangpur.</i>		
Mahammad Moosa	...	Rangpur Practising School.
Beni Madhab Das	...	Gaibandha H. E. School.
Dvarka Nath Ghosh	...	Gopalpur M. E. School.
Kasiruddin Mahammad	...	Jaldhaka Model School.

G. BELLETT,

JALPAIGURI, the 28th December 1892.

Inspector of Schools, Rajshahi Circle.

**List of Candidates who have obtained Upper Primary Scholarships in the  
Rajshahi Division, 1892-93.**

<i>Bogra.</i>		
Garibulla Sarkar	...	Adamdighi U. P. School.
Asmatulla Akanda	...	Baraitali U. P. School.
Rafatulla Sarkar	...	Nungola U. P. School.
<i>Dinajpur.</i>		
Sekh Badul Mahammad	...	Golundar U. P. School.
Hara Singha Das	...	Baudhugram U. P. School.
Kshiroda Sundari Basu	...	Dinajpur Girls' School.
Emaruddin Ahmed	...	Chamesvari U. P. School.
Kali Prasanna Mukerjee	...	Uday U. P. School.
<i>Jalpaiguri</i>		
Jay Kanta Das	...	Dhabalaati U. P. School.
Mangal Charan Das	...	Dhabalguri U. P. School.
Majiruddin Pradhan	...	Nirashipukhuriya U. P. School.
<i>Pabna.</i>		
Digendra Nath Raha	...	Gayla U. P. School.
Sarat Chandra Basak	...	Baniyapati U. P. School.
Lalit Mohan Das	...	Nandaupur U. P. School.
Umesh Chandra Sarkar	...	Bhat Digholiga U. P. School.
Navadrip Chandra Chakravarti	...	Baigan U. P. School.
Hosen Ali Miya	...	Sathariya U. P. School.
<i>Rajshahi.</i>		
Radha Sundar Acharjya	...	Kamargram U. P. School.
Alimuddin Sarkar	...	Patanjihara U. P. School.
Mahatabulla Saha	...	Saipara U. P. School.
Jagadishvar Sanyal	...	Madarigram U. P. School.
Nimai Charan Saha	...	Mirganj U. P. School.
<i>Rangpur.</i>		
Kali Charan Sarkar	...	Pabnapur U. P. School.
Dharani Kanta Das	...	Tarapur U. P. School.
Ram Krishna Das	...	Khalilganj U. P. School.
Anaruddin Mandal	...	Pargayra U. P. School.
Kayemuddin	...	Khaprikhali U. P. School.
Sahadeb Ray	...	Kutabpur U. P. School.

G. BELLETT,

JALPAIGURI, the 28th December 1892.

Inspector of Schools, Rajshahi Circle.

**Examination of Candidates for Pleaderships and Mukhtearships in Mufassal  
Courts subordinate to the High Court.**

THE next examination of candidates for Pleaderships will be held on the 15th, 16th, and 17th February next in the Senate House of the Calcutta University.

The next examination of candidates for Mukhtearships will be held at Calcutta, Patna, Dacca, Cuttack, Gauhati, and Sylhet on the same days; the examination of those candidates who have applied to be examined in Calcutta taking place in the Senate House of the Calcutta University.

The Pleaders' candidates will be examined *viva voce* only on the 15th February commencing at 10 A.M., and two papers will be set each day for them at 10 A.M. and 2 P.M., respectively, on the 16th and 17th February. Two papers will be set for the Mukhtearship candidates on the 15th February at 10 A.M. and 2 P.M., respectively, and they will be examined *viva voce* on the 16th and 17th February, commencing at 10 A.M. each day.

Under no circumstances will any candidate be admitted to the examination room after these hours.

The candidates will be required to produce at the examination extracts from the Register, which will be furnished to them by the District Judge, through whom their applications have been sent to the Board of Examiners.

No candidate will be allowed to enter the examination room with any memoranda or loose papers of any description (with the exception of the extracts above mentioned).

All writing materials will be provided with the exception of pens, which the candidates must bring with them.

HENRY T. HYDE,

*Secy. to the Board of Examiners for Pleaders' and Mukhtearship.*

## TREASURY NOTICES.

UNCOVENANTED DEPUTY COLLECTOR BABU TRILOKYA NATH SEN has been placed in charge of the Birbhum Treasury and authorized to draw bills on other Treasuries.

A. POWER, *Commissioner.*

BURDWAN COMM'R.'S OFFICE, the 29th December 1892.

UNCOVENANTED DEPUTY COLLECTOR BABU MAHENDRA NATH GUPTA has been placed in charge of the Patna Treasury and is authorized to draw bills on other treasuries.

A. A. WACE, *Addl. Commr. of Patna.*

PATNA COMM'R.'S OFFICE, BANKIPORE, the 20th December 1892.

UNCOVENANTED DEPUTY COLLECTOR MAULVI MOHAMED HABIBULLAH KHAN has been placed in charge of the Gaya Treasury and is authorised to draw bills on other Treasuries.

A. A. WACE, *Addl. Commr. of Patna.*

PATNA COMM'R.'S OFFICE, BANKIPORE, the 22nd December 1892.

UNCOVENANTED DEPUTY COLLECTOR MOULVI SYED ALI HASAN has been placed in charge of the Muzafferpur Treasury, and is authorized to draw bills on other treasuries.

A. A. WACE, *Addl. Commr. of Patna.*

BANKIPORE, the 14th December 1892.

## NOTIFICATIONS OF THE BOARD OF REVENUE.

No. 1914B.

NOTICE is hereby given that the First Sale of Opium, the Provision of 1890-91 will be held at the Government Opium Sale-room, No. 2, Bankshall Street, on Wednesday, the 4th January 1893, at 11 A.M., and will comprise 3,642 chests, viz.—

			Chests.
Opium manufactured at the Patna Factory	...	...	1,927
Do. ditto at the Ghazeeপুর Factory	...	...	1,715
Total			3,642

2nd.—The general conditions of the sale now advertised will be the same as usual. They may be ascertained by reference to the Notification issued on the 24th November 1892, and published in the *Government and Exchange Gazette*, or on personal application at the Office of the Board of Revenue.

3rd.—The latest dates for deposit and clearance will be the 9th and 10th January 1893, respectively, that is to say, no Bank of Bengal Receipts, Government Promissory Notes, or other public securities that may be tendered for deposit in redemption of Promissory Notes given by purchasers in the sale-room will be received after 3-30 P.M. of Monday, the 9th January 1893, and no Bank of Bengal Receipts in full payment of lots will be accepted after 3-30 P.M. of Thursday, the 19th January 1893.

4th.—In addition to the quantity above advertised for sale, the following quantities, more or less, of the opium manufactured at the Patna and Ghazeeপুর Factories will be brought to sale down to December 1893 about the dates specified below. The Board of

Revenue, however, reserve to themselves the right of altering these dates should circumstances render it expedient to do so :—

DATE.	Manufactured at the Patna Factory ; about chests.	Manufactured at the Ghazepore Factory ; about chests.	Total, about chests.
On or about Wednesday, 1st February 1893 ...	1,927	1,715	3,642
On or about Monday, 6th March „ ...	1,927	1,715	3,642
On or about Tuesday, 4th April „ ...	1,927	1,715	3,642
On or about Monday, 1st May „ ...	1,927	1,715	3,642
On or about Thursday, 1st June „ ...	1,927	1,715	3,642
On or about Monday, 3rd July „ ...	1,927	1,715	3,642
On or about Wednesday, 2nd August „ ...	1,927	1,715	3,642
On or about Friday, 1st September „ ...	1,927	1,715	3,642
On or about Thursday, 5th October „ ...	1,927	1,715	3,642
On or about Wednesday, 1st November „ ...	1,927	1,715	3,642
On or about Friday, 1st December „ ...	1,927	1,715	3,642
Total ...	21,197	18,865	40,062

By order of the Board of Revenue, L.P.,

T. INGLIS, *Secretary.*

BOARD OF REVENUE, L.P., FORT WILLIAM, the 29th November 1892.

#### No. 1887B.

NOTICE is hereby given that the Provision Opium to be brought forward for sale by public auction in the year 1893 will consist of about 23,124 chests prepared at the Patna Factory, each chest of which is believed to contain 1 maund 18 seers 12 chitaks of pure opium, besides 9 seers 6 chitaks used for pasting the leaves of the shell, and about 20,580 chests prepared at the Ghazepore Factory, each chest of which is believed to contain 1 maund 18 seers 12 chitaks of pure opium, besides 9 seers 6 chitaks used for pasting the leaves of the shell, being of the seasons 1890-91, 1891-92 and 1892-93 in the proportion marginally noted.

2. The dates on or about which the sales will be held, and the total quantity of opium, as well as the respective quantities manufactured at the Patna and Ghazepore Factories, which will be brought forward for sale every month, are specified below. The Board of Revenue reserve to themselves the right of altering the dates should circumstances render it expedient to do so. In accordance with the notification of the Government of India, No. 2611, dated 24th June 1892, 1,927 chests of Patna and 1,715 chests of Benares opium will be sold monthly from January to December 1893 :—

DATE.	Chests manufactured at the Patna Factory.	Chests manufactured at the Ghazepore Factory.	Total chests.
On or about Wednesday 4th January 1893 ...	1,927	1,715	3,642
On or about ditto 1st February „ ...	1,927	1,715	3,642
On or about Monday 6th March „ ...	1,927	1,715	3,642
On or about Tuesday 4th April „ ...	1,927	1,715	3,642
On or about Monday 1st May „ ...	1,927	1,715	3,642
On or about Thursday 1st June „ ...	1,927	1,715	3,642
On or about Monday 3rd July „ ...	1,927	1,715	3,642
On or about Wednesday 2nd August „ ...	1,927	1,715	3,642
On or about Friday 1st September „ ...	1,927	1,715	3,642
On or about Thursday 5th October „ ...	1,927	1,715	3,642
On or about Wednesday 1st November „ ...	1,927	1,715	3,642
On or about Friday 1st December „ ...	1,927	1,715	3,642
Total ...	23,124	20,580	43,704

The following are the conditions of sale:—

1.—The opium will be sold for exportation by sea only, and no certificate will be granted except to cover such export.

2.—The opium will be ordinarily offered for sale at an upset price of Rs. 300 per chest, and sold to the highest bidder above that price, except under the circumstances for which provision is made by clause 13 of these conditions of sale. The bids must advance by Rs. 5 at a time.

3.—The sale shall commence at the hour of 11 A.M. of the day fixed by previous notification, and shall not be continued after the hour of 5 P.M.; but if at that hour any of the lots advertised for sale shall remain unsold, the sale may, at the discretion of the Board of Revenue, be resumed on the next day following (not being Sunday or a public holiday), at the hour of 11 A.M., and so on until the whole of the remaining lots are disposed of; or, if the whole quantity advertised shall not be sold on the day appointed, the Board of Revenue may dispose of the lots which remain on hand at a future sale.

4.—Each lot shall contain five chests.

5.—A Promissory Note for a sum, calculated according to the scale noted in the margin,

**DEPOSIT.**  
When the amount bid is less than Rs. 1,200 per chest, Rs. 200 per chest.  
On bids of Rs. 1,200 and upwards, but less than Rs. 1,600 per chest, Rs. 300 per chest.  
On bids of Rs. 1,600 and upwards, but less than Rs. 2,000 per chest, Rs. 400 per chest.  
And so on, Rs. 100 being added to the deposit for every bid additional, to the extent of Rs. 400.

shall be taken as a deposit on each lot from the purchaser in the sale-room and before the lot is registered in the sale-book, and all such Promissory Notes shall be redeemed on the part of the purchasers at this Office by Bank of Bengal receipts or by substitution of other public securities of the Government of India, on or before 3-30 P.M. in the afternoon of the fifth day after the sale, provided it does not fall on a Saturday; if it falls on a Saturday, the said notes must be redeemed by 1-30 P.M., or, on the other hand, failing such redemption by the time aforesaid, then the lot or lots for which no Bank

of Bengal receipts or deposit of other public securities as aforesaid shall have been delivered in, shall be re-sold at such time or times and under such conditions of re-sale as the Board of Revenue shall see fit; and all losses and expenses whatsoever attending such re-sale shall be borne and paid by the defaulters, whilst any profit accruing from such re-sale shall be forfeited to Government.

6.—The said Promissory Notes shall be absolutely payable in any event, and the amount thereof shall be absolutely forfeited upon such default as before mentioned, and the amount thereof shall not go or be credited in reduction of any loss on re-sale or expenses thereby incurred, but shall be recoverable whether such re-sale shall be had or not, or whether there shall be a loss on such re-sale or not.

7.—The Promissory Notes taken on the day of sale under the fifth condition, if remaining unredeemed at 3-30 P.M. of the fifth day following the day of sale, or 1-30 P.M. if the last day falls on a Saturday, will be placed in the hands of the Solicitor to the Government for realization in such manner as to him shall seem fit.

8.—No tender of money, Bank of Bengal Receipts, or public securities, on account of opium upon which the prescribed deposit may not have been made before the prescribed time in clause 5 on the fifth day following the day of sale will be afterwards accepted. Provided always that money so subsequently tendered may be taken in payment of the said Promissory Note, but such acceptance of money shall in no way entitle the payer thereof to any right to delivery of the lot or lots in respect whereof the said note was given, or to any of the rights of a purchaser thereof, or release the payer from liability for any unpaid balance of such notes or from the additional liability for the loss and expenses of such re-sale as provided for in clauses No. 5 and No. 6.

9.—The opium advertised for sale shall be paid for not later than by 3-30 P.M. of the fifteenth day from the day of sale, provided it does not fall on a Saturday; if it falls on a Saturday, the opium must be paid for by 1-30 P.M.; and in case any lots of such opium shall not be so paid for and adjusted, then the cash deposit made under the fifth condition, or any public securities that may have been deposited on account of such lots or chests, shall be forfeited, and the opium shall be disposed of on account of Government at such time and in such manner as the Board of Revenue shall think fit; and the first purchaser shall further be required to make good all expenses and any loss or difference of price between that obtained at the re-sale and the amount at which the opium was first purchased, forfeiting all advantages that may arise from such re-sale, and the liability for the loss or difference of price and expenses shall be in addition to, and wholly independent of, the amount of the deposit so forfeited.

10.—Purchasers taking out certificates or orders for the delivery of opium, after making full payment as above prescribed, shall have the option of naming the number of lots of their purchase, which they may desire to be included in each certificate or order; and it is to be clearly understood that the certificates or orders so taken out shall be considered final, and not afterwards changeable for other certificates or orders authorizing the delivery of single lots, or of a different number of lots or chests, whether more or less, than the number of lots or chests originally required to be included in each certificate or order.

11.—No deposit of public securities under the fifth of the present conditions will be received in this office except from the party recorded as the purchaser in the sale-book, or his authorized agent. The receipt for deposit of public securities will be granted only in the name of such purchaser, and the securities so deposited will be returned when payment in full has been made by the said purchaser or his order.

12.—The officer superintending the sale on the part of the Government is empowered to reject, at his discretion, the bid of any individual, unless such individual shall on demand

render at the time a deposit either in Government of India Notes, Bank of Bengal Receipts, or Government Securities, a sum equal to the amount for which a Promissory Note would otherwise be taken under the fifth of these conditions.

13.—With a view to prevent fictitious biddings designed to obstruct the sale, it is hereby notified that the officer of Government superintending the sale shall be competent, at any time during the sale, to withdraw any unsold lot, and immediately to put it up again for sale at a maximum upset price, diminishing the same gradually by Rs. 5 at a time until a bid is obtained; and the first *bond fide* bidder for a lot after it has been offered for sale in the mode here described shall be held and declared to be the purchaser of the said lot, and the officer of Government superintending the sale shall also be competent to dispose, in the same manner, of as many of the subsequent lots as he may think proper, provided always that no lot shall be sold below the minimum price of Rs. 800 specified in the second of these conditions.

14.—The purchaser of any lot shall have the option of naming and purchasing in immediate succession, at the same price and under the same conditions, any number of lots of the same Agency opium not exceeding altogether twenty-five lots, provided always that there remain a sufficient number of lots of the opium to complete the said twenty-five.

15.—In the event of any dispute or difference touching or concerning any matter or question arising out of the sale of the opium included in this notification, or adjustment of the account thereof, the same shall and may be tried and decided in the High Court of Judicature at Fort William in Bengal.

16.—The following papers will be exhibited for inspection on the day of sale, or may be seen previously to that date by personal application at the Office of the Board of Revenue:—No. 1, certificate of the opium advertised for sale; No. 2, report of the examination of such opium.

17.—The public are hereby informed that in providing the investment of the opium manufactured at the Patna Factory and the opium manufactured at the Ghazepore Factory for the year 1891-92, the same precautions have been taken as those which have been observed during past years to have the drug procured and sent down in a pure state, to have only the proscribed quantity of leaves used in forming the cakes, and to have the due proportion of opium put into each cake. An account of the weight of the drug when packed at the Patna and Ghazepore Factories, and a statement of the average weight of the chests, indiscriminately taken, for the purpose of comparison, from the despatches on arrival at Calcutta, may be seen on personal application at the Office of the Board of Revenue.

18.—Any further information respecting weight or quality of the opium advertised for sale that may be desired by parties connected with the trade will, as heretofore, be furnished to them on personal application at the Office of the Board of Revenue. But, in accordance with established usage, under no circumstances will the Board of Revenue entertain or recognize any claim to compensation for loss from any alleged deficiency of weight, abstraction of opium, or adulteration of the drug, which may be preferred on reference to chests after the sale and delivery of the opium for shipment.

By order of the Board of Revenue, L. P.,

T. INGLIS, *Secretary*.

FORT WILLIAM, the 24th November 1892.

No. 2056B.

NOTICE is hereby given that the Second Sale of Opium, the provision of 1890-91, will be held at the Government Opium Sale-room, No. 2, Bankshall Street, on Wednesday, the 1st February 1893, at 11 A.M., and will comprise 3,642 chests, viz.—

			Chests.
Opium manufactured at the Patna Factory	...	...	1,927
Ditto ditto at the Ghazepore Factory	...	...	1,715
Total			3,642

2nd.—The general conditions of the sale now advertised will be the same as usual. They may be ascertained by reference to the Notification issued on the 24th November 1892, and published in the *Government* and *Exchange Gazettes*, or on personal application at the Office of the Board of Revenue.

3rd.—The latest dates for deposit and clearance will be the 6th and 16th February 1893, respectively, that is to say, no Bank of Bengal Receipts, Government Promissory Notes, or other public securities that may be tendered for deposit in redemption of Promissory Notes given by purchasers in the Sale-room will be received after 3-30 P.M. of Monday, the 6th February 1893, and no Bank of Bengal Receipts in full payment of lots will be accepted after 3-30 P.M. of Thursday, the 16th February 1893.

4th.—In addition to the quantity above advertised for sale, the following quantities, more or less, of the opium manufactured at the Patna and Ghazepore Factories will be brought to sale down to December next about the dates specified below. The Board of



Revenue, however, reserve to themselves the right of altering these dates should circumstances render it expedient to do so—

DATES.			Manufactured at the Patna Factory; about chests.	Manufactured at the Ghazepore Factory; about chests.	Total about chests.
On or about Monday,	6th March	1893	1,927	1,715	3,642
On or about Tuesday,	4th April	"	1,927	1,715	3,642
On or about Monday,	1st May	"	1,927	1,715	3,642
On or about Thursday,	1st June	"	1,927	1,715	3,642
On or about Monday,	3rd July	"	1,927	1,715	3,642
On or about Wednesday,	2nd August	"	1,927	1,715	3,642
On or about Friday,	1st September	"	1,927	1,715	3,652
On or about Thursday,	5th October	"	1,927	1,715	3,642
On or about Wednesday,	1st November	"	1,927	1,715	3,642
On or about Friday,	1st December	"	1,927	1,715	3,642
Total			19,270	17,150	36,420

By order of the Board of Revenue, L.P.,

T. INGLIS, *Secretary.*

BOARD OF REVENUE, L.P., FORT WILLIAM, the 20th December 1892.

NOTIFICATION.—No. 2052B.

EXCISE.  
D. R. LYALL, ESQ., C.S.I.

It is hereby notified for general information that the following rates of duty will be levied, under the sanction of Government, on ganja from the 1st April 1893:—

In the districts of Bengal and Bihar—

			Rs.	A.	
Choor	...	...	8	0	per seer.
Round	...	...	7	4	" "
Flat	...	...	6	0	" "

In the Orissa Division—

			Rs.	A.	
Choor	...	...	6	8	per seer.
Round	...	...	6	0	" "
Flat	...	...	4	8	" "
Garhjat	...	...	2	8	" "

By order of the Board of Revenue, L.P.,

T. INGLIS, *Secretary.*

BOARD OF REVENUE, L.P., CALCUTTA, the 19th December 1892.

Notification under Section 30 of Act XII of 1882 (The Indian Salt Act).

IN exercise of the powers conferred by the second paragraph of Notification No. 769, dated 11th February 1888, issued by the Governor-General of India in Council (in the Department of Finance and Commerce), under section 28 of Act XII of 1882, and published at pages 67—72 of the *Gazette of India*, dated 11th February 1888, the Commissioner of Salt, Abkari, and Separate Revenue, Madras Presidency, under section 30 of Act XII of 1882, authorizes each of the persons named below to exercise the powers of a Salt Revenue Officer:—

Locality.	Name.	Rank.	Powers to be conferred on each.	REMARKS.
Province of Orissa	Abdool Rohiman ...	3rd grade peon	Salt Revenue Officer.	Vice Sheik Peer Mahomed, dismissed.
Ditto	Dena Das ...	Ditto	Ditto	Vice Padan Das, who has forfeited his appointment.
Ditto	Sada Das ...	Ditto	Ditto	Vice Magani Muhanti, resigned.
Ditto	Dalill Khan ...	Ditto	Ditto	Vice Nazib Khan, deceased.
Ditto	Abdool Rasid ...	Ditto	Ditto	Vice Dharabarik, dismissed.
Ditto	Jogu Malick ...	Ditto	Ditto	Vice Sheik Roshum, dismissed.
Ditto	Hadoo Das ...	Ditto	Ditto	Vice Sheik Ataulla, who has forfeited his appointment.

EDMUND MILLETT, *Assistant Secretary.*

BOARD OF REVENUE (SEPARATE REVENUE), MADRAS, dated 19th December 1892.

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## ELECTION OF MUNICIPAL COMMISSIONERS.

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### NOTIFICATION.

It is hereby notified for general information that an election will be held under section 27, Act III (B.C.) of 1884, on Friday, the 24th February 1893, in Ward No. I of the Kotrang Municipality, in the district of Hooghly, to fill up the vacancy caused by the removal of Babu Harish Chundra Mundal under section 20.

A. POWER, *Commissioner.*

BURDWAN COMM'R.'s OFFICE, *the 28th December 1892.*

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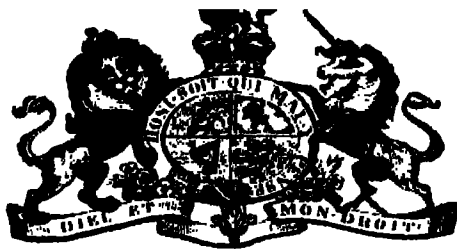
### NOTIFICATION.

It is hereby notified for general information that a bye-election will be held on the 24th February 1893 in Ward IV of the Berhampore Municipality, in the district of Murshidabad, to elect a Commissioner for the said Ward in the place of Babu Sasbi Bhusan Chaudhuri, who has ceased to be a Commissioner under section 20 of the Bengal Municipal Act III of 1884, by being absent from six consecutive meetings.

ANNODA PERSAD GHOSE, *for Commr. Presdy. Dcn.,*

*The 22nd December 1892.*





# The Calcutta Gazette.

WEDNESDAY, JANUARY 4, 1893.

## PART I A.

### Orders and Notifications by the Government of India, &c.

[Reprinted from the "Gazette of India."]

#### STAR OF INDIA.

##### NOTIFICATION.

*Fort William, the 3rd January 1893.*

His Excellency the Grand Master of the Most Exalted Order of the Star of India is pleased to announce that Her Majesty the Queen, Empress of India, has been graciously pleased to make the following appointments to the said Order :—

*To be Knights Commanders.*

ANTHONY PATRICK MACDONNELL, Esq., C.S.I., Indian Civil Service, Chief Commissioner of the Central Provinces.

\* \* \* \* \*

*To be Companions.*

TREVOR JOHN CHICHELE PLOWDEN, Esq., Indian Civil Service, Resident at Hyderabad.

By order of the Grand Master,

H. M. DURAND,

*Secretary to the Most Exalted*

*Order of the Star of India.*

#### INDIAN EMPIRE.

##### NOTIFICATION.

*Fort William, the 3rd January 1893.*

His Excellency the Grand Master of the Most Eminent Order of the Indian Empire is pleased to announce that Her Majesty the Queen, Empress of India, has been graciously pleased to make the following appointments to the said Order :—

*To be Knights Commanders.*

\* \* \* \* \*

LIEUTENANT-COLONEL WILLIAM BRERETON HUDSON, C.I.E., Honorary Aide-de-Camp to the Viceroy, Commandant of the Bihar Light Horse.

*To be Companions.*

WILLIAM BENJAMIN OLDHAM, Esq., Indian Civil Service, Commissioner, Chittagong Division.

MAHARAJA HANBHALLABH NARAYAN SINGH, Zaminder of Sonbarsa, Bengal.

By order of the Grand Master,

H. M. DURAND,

*Secretary to the Most Eminent*

*Order of the Indian Empire.*

## FOREIGN DEPARTMENT.

## NOTIFICATIONS.

*Fort William, the 3rd January 1893.*

His Excellency the Viceroy and Governor-General is pleased to confer the title of Raja as a personal distinction upon—

Lala Bun Bihari Kapur of Burdwan in the Bengal Presidency.

\* \* \* \* \*

His Excellency the Viceroy and Governor-General is pleased to confer upon Saiyid Abdus Sobhan Chaudhuri, Zamindar in the district of Bogra in the Bengal Presidency, the title of Nawab as a personal distinction.

His Excellency the Viceroy and Governor-General is pleased to confer upon Babu Dinendra Narain Roy, Honorary Magistrate and Municipal Commissioner of Calcutta, the title of Kumar as a personal distinction.

His Excellency the Viceroy and Governor-General is pleased to confer upon Maulvi Abdul Hai, late Head Master of the Calcutta Madrasa, the title of Shams-ul-ulama as a personal distinction.

His Excellency the Viceroy and Governor-General is pleased to confer the title of Khan Bahadur as a personal distinction upon—

\* \* \* \* \*

Saiyid Ashrufudin Ahmed, Mutawali of the Hooghly Imambara.

\* \* \* \* \*

His Excellency the Viceroy and Governor-General is pleased to confer the title of Rai Bahadur as a personal distinction upon—

Babu Dhiraj Karan, Government Pleader of Monghyr in the Bengal Presidency.

Rai Jadoo Nath Mukerjee, Government Pleader of Hazaribagh in the Bengal Presidency.

Thakurai Bhagobut Dayal Singh of Palamau in the Bengal Presidency.

\* \* \* \* \*

Babu Okhil Chandar Mukerji, of the firm of Messrs. Gungadhar Banerji & Co., Contractors of Calcutta.

Babu Cally Coomar Dey, Treasurer of the Currency Office, Calcutta.

Babu Muddun Mohun Bysack, Manager of the Dead Letter Office, Calcutta.

\* \* \* \* \*

His Excellency the Viceroy and Governor-General is pleased to confer upon Babu Troylukho Nath Sircar, Supervisor in the Public Works Department of Bengal, the title of Rai Sahib as a personal distinction.

H. M. DURAND,

*Secy. to the Govt. of India.*

## MILITARY DEPARTMENT.

## NOTIFICATION.

*Fort William, the 3rd January 1893.*

The Viceroy and Governor-General has been pleased to make the following appointment on His Excellency's Personal Staff:—

*To be Honorary Surgeon.*

Brigade-Surgeon Lieutenant-Colonel Daniel O'Connell Raye, M.D., Indian Medical Service, Professor of Surgery, Medical College, Calcutta, and *ex-officio* 1st Surgeon to the College Hospital.

E. H. H. COLLIER,

*Secy. to the Govt. of India.*

The following orders, issued by the Government of India, in the Legislative Department, are republished for general information.

H. J. S. COTTON,

*Chief Secy. to the Govt. of Bengal.*

## NOTIFICATIONS.

*The 30th December 1892.*

No. 32.—With reference to Notification No. 30, dated the 6th October 1891, Mr. A. Caspersz, Barrister-at-Law, will continue to act as a Reporter for the Indian Law Reports in the High Court, Calcutta, to fill an existing vacancy, until further orders.

*No. 83.*—With reference to Notification No. 12, dated the 6th May 1892, Mr. A. F. M. Abdur-Rahman, Barrister-at-Law, will continue to act as a Reporter for the Indian Law Reports in the High Court, Calcutta, to fill an existing vacancy, until further orders.

J. M. MACPHERSON,  
*Offg. Secy. to the Govt. of India.*

The following orders, issued by the Government of India, in the Home Department, are republished for general information.

H. J. S. COTTON,  
*Chief Secy. to the Govt. of Bengal.*

#### NOTIFICATIONS.

##### EDUCATION.

*Calcutta, the 28th December 1892.*

*No. 397.*—The Governor-General in Council is pleased to appoint Mr. Justice J. Q. Pigot, B.A., to be a Fellow of the University of Calcutta.

*The 30th December 1892.*

*No. 400.*—The Governor-General in Council is pleased to appoint Mr. Justice J. Q. Pigot, B.A., to be Vice-Chancellor of the University of Calcutta, in succession to Mr. Justice Gooroo Dass Banerjee, M.A., B.L., resigned.

C. J. LYALL,  
*Secy. to the Govt. of India.*

The following orders, issued by the Government of India, in the Finance and Commerce Department, are republished for general information.

H. J. S. COTTON,  
*Chief Secy. to the Govt. of Bengal.*

#### NOTIFICATIONS.

##### LEAVE AND APPOINTMENTS.

*Calcutta, the 28th December 1892.*

*No. 5194-P.*—Mr. T. C. Eagles, Second Assistant Comptroller, Post Office, is granted privilege leave for two months, with effect from the 3rd January 1893.

Mr. W. A. Kelly, Superintendent in the office of the Comptroller, Post Office, is appointed to officiate as Second Assistant Comptroller, Post Office, during the absence, on privilege leave, of Mr. T. C. Eagles, or until further orders.

*No. 5209-P.*—The following promotions and reversions of officers of the Account Department during the month of November 1892 are notified:—

With effect from the 4th November 1892—

Mr. J. C. E. Branson to officiate in class I of the Enrolled List, instead of in class III of Accountants-General.

Mr. F. C. Harrison to revert to class II.

Mr. A. Newmarch to officiate in class V, instead of in class IV, of the Enrolled List.

With effect from the 1st December 1892—

Mr. J. C. E. Branson to revert to class II.

*No. 5210-P.*—In the Notification in this Department, No. 4807-P., dated the 30th November 1892, published in Part I of the *Gazette of India* of the 3rd December 1892, for "10th October" read "12th October."

*The 30th December 1892.*

*No. 5253-P.*—Mr. H. M. Kisch, Postmaster-General, Bengal, is placed on special duty for one month, with effect from the 1st January 1893.

Mr. E. Hutton, Presidency Postmaster, Calcutta, is appointed to officiate as Postmaster-General, Bengal, during Mr. Kisch's absence, or until further orders.

Mr. G. E. Walker, Deputy Postmaster, Calcutta, is appointed to officiate as Presidency Postmaster, Calcutta, *vice* Mr. Hutton, or until further orders.

STEPHEN JACOB,  
*Offg. Secy. to the Govt. of India.*





# The Calcutta Gazette.

WEDNESDAY, JANUARY 4, 1893.

## PART IB.

### ORDERS BY THE LIEUT.-GOVERNOR OF BENGAL.

#### MUNICIPAL AND LOCAL.

##### NOTIFICATION.

*No. 3525 L.S.-G.—The 28th December 1892.*—It is hereby notified that, under section 19 of the Bengal Local Self-Government Act III of 1885, the Lieutenant-Governor is pleased to appoint Mr. W. G. Morey to be a member of the District Board of Malda in the place of Mr. J. Fraser Forbes, resigned.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

##### NOTIFICATION.

*No. 3528 L.S.-G.—The 28th December 1892.*—It is hereby notified that, under section 11 of the Bengal Local Self-Government Act III of 1885, the following gentlemen are appointed to be members of the several Local Boards in the district of Murshidabad :—

##### Local Boards.

##### Names of Members.

Sadar	...	Babu Gunput Singh.
		Mr. E. B. Hillis.
		Babu Moni Lal Nahar.
		Syed Faiyazuddin Ali.
		Babu Shyama Charan Bose.
Kandi	...	Soleman Kadr Syed Wahid Ali Mirza.
		Mr. George Uday Yule.
		Maulvi Mehedi Hossein.
		Babu Bistū Chandra Ganguli.
		„ Bani Kama Roy.
Jangipur	...	„ Kailas Chandra Roy.
		Babu Krishna Ballav Roy.
		Munshi Golam Ambiya.
		Mr. W. R. Rice.
		Maulvi Mohobulla.

2. The Lieutenant-Governor is also pleased to appoint, under section 10 of the Act, the following gentlemen to be members of the Sadar Local Board :—

##### Local Board.

##### Names of Members

Sadar	...	Babu Brojanath Dey.
		Munshi Enantulla Chowdhury.
		Babu Chandra Sekar Sanyal.
		„ Baikunthanath Adhicary.
		Munshi Sulakutulla Hazi.
		Babu Amrita Lal Kar.
		„ Mohesh Narayan Roy. •

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*



## NOTIFICATION.

*No. 3530M.—The 29th December 1892.*—It is hereby notified that, under section 27 of the Bengal Municipal Act III of 1884, the Lieutenant-Governor is pleased to appoint *Babu Kailas Chandra Das* to be a Commissioner of the Chittagong Municipality, *vice Maulvi Zulfikar Ali*.

H. H. RISLEY,  
Secy. to the Govt. of Bengal.

## NOTIFICATION.

*No. 3534M.—The 28th December 1892.*—Whereas a notification, dated the 20th July 1892, was published at page 203, Part IB of the *Calcutta Gazette* of the 27th idem, declaring the intention of the Lieutenant-Governor to extend the provisions of section 261 and clauses 2 and 3 of section 273 of Part VI of the Bengal Act III of 1884 to the South Suburban Municipality, and whereas no objection has been raised to the proposal within one month from the date of the publication of the above notification within the Municipality, it is hereby notified for general information that, in the exercise of the power vested in the Local Government by section 221 of the Act, and in accordance with the recommendation of the Commissioners of the South Suburban Municipality, made at a meeting, the Lieutenant-Governor sanctions the extension of the above sections of the Municipal Act to the said Municipality.

H. H. RISLEY,  
Secy. to the Govt. of Bengal.

## NOTIFICATION.

*No. 3540M.—The 29th December 1892.*—It is hereby notified that, under section 27 of the Bengal Municipal Act III of 1884, the Lieutenant-Governor is pleased to appoint Surgeon-Lieutenant-Colonel Russick Lal Dut, Civil Surgeon of Hooghly, to be a Commissioner of the Hooghly-Chinsura Municipality, *vice Dr. Banka Behari Gupta*, deceased.

H. H. RISLEY,  
Secy. to the Govt. of Bengal.

## NOTIFICATION.

*No. 3556L.S.-G.—The 29th December 1892.*—It is hereby notified that the members of the Somastipur Local Board, in the district of Darbhanga having at a meeting, under section 25 of the Bengal Local Self-Government Act III of 1885, requested the Lieutenant-Governor to appoint a Chairman, the Lieutenant-Governor is pleased under the said section to appoint Mr. J. E. Phillimore to be the Chairman of that Local Board.

H. H. RISLEY,  
Secy. to the Govt. of Bengal.

## NOTIFICATION.

*No. 3558L.S.-G.—The 31st December 1892.*—It is hereby notified that, under section 10 of the Bengal Local Self-Government Act III of 1885, the following gentlemen are appointed to be members of the several Local Boards in the district of Birbhum:—

Local Boards.	Names of Members.
Suri ...	<div> <div>Chaudhri Serajul Huq.</div> <div>Babu Banawari Lal Roy.</div> <div>Munshi Abdul Ghaffur.</div> </div>
Rampur Hát ...	<div> <div>Babu Binode Behary Sinha.</div> <div>Mohamed Abdur Rauf.</div> <div>Mukunda Lal Mandal.</div> <div>Maulvi Amisar Rohaman.</div> </div>

2. The Lieutenant-Governor is also pleased to appoint the following gentlemen, under section 11 of the Act, to be members of the several Local Boards:—

Local Boards.	Names of Members.
Suri ...	<div> <div>Babu Rama Prasanna Sinha.</div> <div>„ Kalika Nanda Mukerjee.</div> <div>Syed Shah Habib Rasul.</div> </div>
Rampur Hát ...	<div> <div>Mr. Keun-th Williamson.</div> <div>Babu Jadu Nath Roy.</div> <div>„ Ananta Deb Banerjee.</div> </div>

H. H. RISLEY,  
Secy. to the Govt. of Bengal.

## NOTIFICATION.

*No. 3561M.—The 31st December 1892.*—Whereas a notification, dated the 1st July 1892, was published at page 194, Part IB of the *Calcutta Gazette* of the 6th idem, declaring the Lieutenant-Governor's intention to sanction the imposition by the Commissioners of the City Murshidabad Municipality of a tax on carriages and on horses and other animals named in the fifth schedule of the Bengal Municipal Act III of 1881, and the levy of a fee on the registration, under section 142 of the Act, of all carts kept or habitually used within the Municipality at rates not exceeding those mentioned in section 143 of the Act, and whereas no valid objections have been raised to the proposals within one month from the publication of the above notification within the Municipality, it is hereby notified for general information that, in the exercise of the power conferred upon him by section 86 of the Act, the Lieutenant-Governor sanctions the levy of the said tax on carriages and on horses and other animals and of fees on the registration of carts by the Commissioners of the abovenamed Municipality.

H. H. RISLEY,

*Secy. to the Govt. of Bengal.*

## NOTIFICATION.

*No. 19L S.-G.—The 3rd January 1893.*—It is hereby notified that under sections 25 and 29 of the Bengal Local Self-Government Act III of 1885, the Lieutenant-Governor is pleased to appoint Mr. Sayad Nuri Huda, Sub-divisional Officer, to be the Chairman of the Nowadah Local Board, in the district of Gaya, *vice* Babu Rajendra Nath Ghose, transferred.

H. H. RISLEY,

*Secy. to the Govt. of Bengal.*

## NOTIFICATION.

*No. 29L S.-G.—The 3rd January 1893.*—It is hereby notified that, under section 19 of the Bengal Local Self-Government Act III of 1885, the Lieutenant-Governor is pleased to appoint Babu Bauka Behari Sing, Deputy Magistrate, to be a member of the District Board of Balasore in the place of Babu Rakhal Chandra Banerjee, resigned.

H. H. RISLEY,

*Secy. to the Govt. of Bengal.*





# The Calcutta Gazette.

WEDNESDAY, JANUARY 4, 1893.

## PART II.

### Advertisements.

[N. B.—Advertisements, Notices, &c., intended for insertion in this part of the Gazette cannot be received after Noon on Monday.]

### LAND SALE NOTICES.

NOTICE is hereby given, under section 6, Act XI of 1859, that the undermentioned estates and shares of estates in the district of the 24-Parganas will be put up for sale at the Collector's Office of that district on the 16th January 1893 for arrears of revenue fell due on the 28th September 1892:—

1	2	3	4	5	6	7	8	9
Tauzi No.	Name of pargana and mahal.	Sadar-jama of the whole estate.	Whether the whole estate is to be sold.	If only a share is to be sold, the specification of such share or shares.	Names of proprietors of property to be sold.	If only a share is to be sold, the sadar-jama of such share.	If the whole estate is to be sold, the arrears due from it.	If only a share is to be sold, the arrears due from it.
		Rs. A. P.		<i>Class I.—Permanently-settled estates.</i>		Rs. A. P.	Rs. A. P.	Rs. A. P.
2	Pargana Magura, Kismat Kanaganberia and others.	2,833 3 4	.....	Excluding the shares separated under section 10 of Act XI of 1859, the residuary share <i>viz.</i> 24, 4d. 12-15-17.	Bajoy Keshub Rai Chowdhuri.	758 3 0	.....	12 3 0
3	Pargana Magura, Kismat Chitla and others.	818 1 51	Whole .....	.....	Herish Chunder Rai Chowdhuri and others.	.....	72 2 41	.....
63	Pargana Magura, Kismat Badrowan and others.	9,135 6 14	.....	Excluding the share separated under section 10 of Act XI of 1859, <i>viz.</i> 14, 10d. 10-11.	Indromani Das	5,517 7 11	.....	1,285 4 51
302	Pargana Azimabad, Jhda Joychandipur.	8,513 7 8	.....	Excluding the shares separated under Act XI of 1859, residuary share <i>viz.</i> 8d.	Bankay Behari Mondul and others.	4,186 11 10	.....	233 8 24
403	Pargana Azimabad, Patburberia and others.	5,143 3 3	.....	Excluding the shares separated under section 10 of Act XI of 1859, share <i>viz.</i> 6d. 18g. 2d. 24r.	Raj Kisore Mondul and others.	2,228 11 41	.....	14 8 11
411	Pargana Magura, Kismat Dhanukholla and others.	2,510 11 10	Whole .....	.....	Herish Chunder Rai Chowdhuri and others.	.....	309 7 1	.....

24-Parganas Collectorate, the 25th November 1892.

F. R. S. COLLIER, Collector.

**NOTICE** is hereby given, under sections 6 and 13, Act XI of 1859, that the undermentioned estates or shares of estates in the district of Dacca will be put up for sale at the Collector's Office of that district on 5th January 1893 for arrears of revenue and other demands, which, by the Regulations and Acts in force, are directed to be realized in the same manner as arrears of revenue.

When in columns 5, 7, and 9 of the appended statement it is stated that only a share is to be sold, a separate account is kept for such share, and the other share or shares in the estate are excluded from the sale.

1	2	3	4	5	6	7	8	9
Tanai No.	Name of mahal and pargana.	Sadar jama of the whole estate.	Whether the whole estate is to be sold.	If only a share is to be sold, specification of such share or shares.	Names of proprietors of property to be sold.	If only a share is to be sold, the sadar jama of such share.	If the whole estate is to be sold, the arrears due from it.	If only a share is to be sold, the arrears due from it.
1	Pargana Birkampur, Modhat Raj Krishna Rai.	Rs. A. P. 1,324 8 4	.....	Residue share ...	Mothura Mohan Rai and others.	Rs. A. P. 611 4 0	.....	Rs. A. P. 178 13 9
108	Pargana Nurullapur, benamch, Maulvi Abdul Ali.	2,199 4 11½	.....	Ditto ...	Dhunno Khancham and Abdul Hye and others.	1,024 6 4	.....	72 15 11½
134	Pargana Patnashar, taluk Hari Doh, Gunda Prosad Bosa.	1,768 0 9½	.....	Ditto ...	Moundra Nath Mukhopadhyaya and others.	311 3 0	.....	101 6 7½
104	Pargana Rajnagar, Modhat hisya Haj Krishna Sen, Chakra Nurpur Huanmessa.	708 9 11½	.....	Ditto ...	Basik Chandra Gungapadhyaya.	219 4 9½	.....	64 9 11½
107	Pargana Rajnagar, Modhat hisya Raj Krishna Sen, Chakra Fullaria, Dohi Prosad Sen.	633 10 5½	.....	Ditto ...	Nobo Kishore Bosa and others.	337 10 7½	.....	68 9 4
205	Pargana Rajnagar, Chakra Nurpur, hisya Pitambar Sen, Bonga Chandra Barajya.	853 13 2½	.....	No. 1, hisya 2a. 19g. 1k. 10½.	Synna Karto Bhandopadhyaya and others.	158 4 6½	.....	32 0 2½
220	Pargana Rajnagar, hisya Nilmani Sen, Chakra Nurpur, taluk Ram Chandra Das.	1,120 15 2½	Entire estate.	.....	Nobo Kishore Bosa and others.	.....	499 2 11	.....
243	Pargana Rasulpur, hisya Za. benamch, Imam Zahur Zamir Hussein and Hossainuddin.	2,884 15 1½	.....	No. 1, 2a. 12g. ...	Afsaruddin Chaudhuri, Manager.	468 13 0	.....	14 5 1
272	Pargana Shahebad, peskosh Dewani benamch MirzaHyder Ali.	533 5 4	.....	No. 2, 17g. 1k. 1k½	Ditto ditto ...	150 4 4	.....	7 8 6½
283	Pargana Birkampur, taluk Brindaban Chandra Radha Kishore Sen, hisya 8a., Radha Madhab.	1,452 0 1	.....	Residue ...	Tara Kishore Chaudhuri.	133 5 1	.....	23 8 8
302	Pargana Mui peskosh, Sahur Chaudhina, Maulvi Abdul Ali.	1,896 10 6	.....	No. 1, hisya 7a 6g 1k.	Shanto Moni, Manager, for Bepin Behari Poddar.	243 12 3	.....	52 2 10
342	Pargana Chand Protap, mahal Khusha taluk, Nandaram Mojundar.	534 6 5	.....	No. 4, 1a. 11g. 1k.	Tara Kishore Chaudhuri.	52 1 4	.....	11 2 5
362	Pargana Mui peskosh, Sahur Chaudhina, Maulvi Abdul Ali.	1,896 10 6	.....	Residue ...	Srinath Rai Chaudhuri and others.	425 0 13	.....	126 11 11½
434	Pargana Mui peskosh, Sahur Chaudhina, Maulvi Abdul Ali.	1,896 10 6	.....	Do. ...	Protap Chandra Das and others.	604 8 2	.....	113 1 11
434	Pargana Chand Protap, mahal Khusha taluk, Nandaram Mojundar.	534 6 5	.....	Do. ...	Krishno Bundhu Ghosh.	178 13 10½	.....	154 14 10½
434	Pargana Patnashar, taluk Golana Hossain Chaudhuri.	930 3 11½	.....	No. 1, 2a. ...	Ban Chandra Ghosh	66 10 9½	.....	16 12 6½
534	Pargana Hashra, duffar Rajnagar Chaudhuri.	823 10 1	Entire estate.	No. 3, 2a. 19g. 2k. 2½.	Chandra Nath Saha ...	92 4 9	.....	54 10 3
5704	Pargana Jabangungar, char Kaurangi, setchal with Radha Gobinda Saha.	612 0 0	.....	No. 6, 9g. 2k. 10½.	Her Nath Chaudhuri and others.	15 4 8½	.....	0 8 10½
5900	Pakubhati within char Kishorepur.	624 0 0	Entire estate.	Residue ...	Amrannessa, Manager, for Abdul Hye and others.	243 13 0	.....	22 11 9
5178	Pargana Kashinagar, hisya 9a. 9g. 2a. 7g. 1k. 1k½. benamch Mustafa Mahomed Hakea.	2,760 0 0	.....	No. 1, hisya 3a. 2g. 1k. 1k½.	Humidannessa and others.	191 12 2	.....	28 15 8
5271	Pargana Nasti Chandra Boshara, superintending to char Medon Sankar.	960 0 0	.....	No. 7, 1a. 8g. 1k. 1k. 64½.	Parikshit Shalia and others.	74 4 3	.....	17 4 6
5762	Pargana Burdakhat, char Delawarpur.	4,156 0 0	Entire estate.	.....	Durga Das Soma and others.	.....	22 2 9	.....
5905	Tappah Kan Bhowal, taluk Morban Begum, hisya 4a. 15g.	1,719 8 0	.....	Residue ...	Kunjo Bohari Saha and others.	532 8 0	.....	133 12 0
10183	Pargana Nasti, char Kewer within char Khodadadpur.	743 8 0	.....	No. 1, hisya 2a. ...	Kamal Mani and others.	76 8 0	.....	19 2 0
				.....	Raja Rajendra Narain Rai Chaudhuri and others.	.....	26 2 6	.....
				Residue ...	Mohina Chandra Rai Chaudhuri and others.	1,500 7 10½	.....	440 14 11
				Ditto ...	Boreda Kanto Bhandopadhyaya and others.	606 0 0	.....	75 0 0
				.....	Haisannessa Bibi and others.	.....	53 8 0	.....
				Residue ...	Bomban Mohun Sen and others.	1,202 4 3½	.....	12 12 11½
				Ditto ...	Shoni Kumar Ghosh and others.	433 0 11½	.....	7 12 9½

APPENDIX XXIV.  
SEE CHAPTER II, PART 3, RULE 26.  
Advertisement of Sale.

It is hereby given that the undermentioned plots of land no longer required by Government, situated along the East Indian railway, in the district of Hooghly, will be put up to sale at 12 o'clock on the 12th January 1893, corresponding with the 1299 B.S.

Purchasers of the several plots of land will be subject to the following conditions:—

1st.—The purchasers will have no power to make any excavations on the lands nearer than fifteen feet from the Railway fencing, or plough the land closer than three feet from its foundation.

2nd.—If the amount of purchase-money does not exceed Rs. 100, the whole amount must be paid down at once.

3rd.—If the amount of purchase-money exceeds Rs. 100, one-fourth of the amount must be immediately deposited. If the balance be not paid by noon of the fifteenth day after the sale, reckoning the day of sale as one, or if that day be a close holiday, then by noon of the first succeeding office day, the sale shall be cancelled, the sum deposited being forfeited to Government, and the lot again put up for sale at the risk of the defaulting purchaser after issue of advertisement, as in the case of original sale.

4th.—The plots of land will be sold revenue-free to the highest bidders.

5th.—The purchaser shall be put in possession on receipt by the Collector of the orders of the Board confirming the sale.

District.	Pargana and number.	Number of mile on which land is situate.	Situated on which side of the railway.	Approximate area of lot in bighas and in acres.		LAND EXCLUDED FROM SALE FROM EACH LOT.		Commencement and termination of plots.	Boundary of lot.
						Reasons for exclusion.			
	3	4	5	6		7		8	9
Hooghly	Arsha Pathali ...	1st mile ..	South	B. K. C. 10 2 0	A. R. P. 3 1 8½	.....	A. R. P. .....	.....	North—By Railway land. East—By Bopin Behary Mitter's land. South—By Municipal road. West—By plot No. 2.
...	Ditto ...	ditto ...	ditto...	10 2 3	3 1 9	.....	...	.....	North—By Railway land. East—By plot No. 1. South—By Municipal road and the land of Annundo Chandra Bosu, of Kapesdanga.
...	Ditto ...	ditto ...	ditto...	10 7 13	3 1 23½	.....	.....	.....	West—By Municipal lane. North—By Railway land. East—By Municipal lane. South—By Poran Chandra Mullick's garden, Sreenath Dutt's garden.
..	Ditto ...	ditto ...	ditto .	10 7 0	3 1 21½	.....	.....	.....	West—By plot No. 4. North—By Railway land. East—By plot No. 3. South—By Srinath Dutt's garden and Shaik Nekoo's land. West—By Municipal lane.

ly Collectorate, the 12th November 1892.

F. W. DUKE, Collector.

NOTICE is hereby given, under sections 6 and 13, Act XI of 1859, that the undermentioned estates or shares of estates in the district of Khulna will be put up for sale at the Collector's Office of that district on the 4th January 1893 for arrears of revenue and other demands which, by the Regulations and Acts in force, are directed to be realized in the same manner as arrears of revenue.

When in columns 6, 7, and 9 of the appended statement it is stated that only a share is to be sold, a separate account is kept for such share, and the other shares in the estate are excluded from the sale.

1	2	3	4	5	6	7	8	9
Tauzi No.	Name of mahal and pargana.	Radar jama of the whole estate.	Whether the whole estate is to be sold.	If only a share is to be sold, specification of such share or shares.	Names of proprietors of property to be sold.	If only a share is to be sold, the radar jama of such share.	If the whole estate is to be sold, the arrears due from it.	If only a share is to be sold, the arrears due from it.
6-1	Kiamat pargana Agartara.	Rs. A. P. 1,000 0 0	.....	Share No. 1, 10a. 6p. 2a. 2a.	Poorna Chandra Roy Chowdhuri and others.	Rs. A. P. 1,130 5 1½	.....	Rs. A. P. 71 0 0
114-1	Kiamat pargana Hajipur.	2,124 4 7	.....	Share No. 1	Kamini Das and others.	210 1 4	...	32 13 8
167-1	Kiamat pargana Shalash.	2,124 13 8	.....	Share No. 1, 1a. 4p.	Hati Lal Boso and others.	177 1 6½	.....	4 5 5½
170-4	Kiamat pargana, Balimabad.	5,784 0 6	.....	Share No. 4, 4a. ...	Krishna Chandra Ghose	1,440 1 7½	.....	417 13 4
208-1	Kiamat pargana Hili.	527 13 5	.....	Share No. 1, 4a. 13p. 2a., &c.	Ratikanta Mozumdar and others.	194 8 1	.....	25 8 11

Khulna Collectorate, the 18th November 1892.

B. D., Collector.

NOTICE is hereby given, under sections 6 and 13, Act XI of 1859, that the undermentioned estates or shares of estates, in the district of Monghyr will be put up for sale at the Collector's Office of that district on 4th January 1893 for arrears of revenue and other demands which, by the Regulations and Acts in force, are directed to be realized in the same manner as arrears of revenue.

When in columns 6, 7, and 9 of appended statement it is stated that only a share is to be sold, a separate account is kept for such share, and the other share or shares in the estate are excluded from the sale.

1	2	3	4	5	6	7	8	9
Traut No.	Name of mahal and pargana.	Badar jumra of whole estate.	Whether the whole estate is to be sold.	If only a share is to be sold, specification of such share or shares.	Names of proprietors of property to be sold.	If only a share is to be sold, the badar jumra of such share.	If the whole estate is to be sold, the arrears due from it.	If only a share is to be sold, the arrears due from it.
		Rs. A. P.		<i>Permanently-settled estates.</i>			Rs. A. P.	Rs. A. P.
13	Josa, pargana Salambaad.	613 14 0	.....	2a. 6d. 6k. 186 2p.	Kaddip Nannin Singh, subsequently Mussamat Kirta Kuari and others	88 13 0	.....	1 3 0
				Ijmali share, 2a. 1 1/2. 16k. 11p. 14r.	Sonnan Singh alias Nathana Singh and others.	100 2 0	.....	194 15 6
360	Taluk Pokhraman, pargana Surajgarh.	2,242 11 0	.....	Ijmali share, 2a. 11p. 9k. 14p.	Guridho Sahu and others	201 0 0	.....	158 11 0
530	Ladhous Piparia, pargana Malki.	617 5 0	.....	4d. 19k.	Jhumak Singh	4 8 0	.....	1 6 0
1020	Masnadpur, pargana Naipur.	557 11 0	.....	Ijmali share, 3a. 15d. 1k. 2kr. 7r.	Kali Dutt Misra and others.	130 9 0	.....	4 10 0
1421	Bonwanadpur alias Ram Deori, pargana Malki.	1,108 13 0	Whole	.....	Bunda Singh and others	.....	54 7 0	.....
2328	Mohempur, pargana Amarthi.	859 4 0	.....	Ijmali share, 6a. 6d. 13p. 10r.	Maulvi Raluddin and others.	222 3 0	.....	9 9 6
2742	Mohempur, pargana Amarthi.	909 0 0	.....	Ijmali share, 3a. 6 1/2. 13d. 7p.	Pala Ram Singh and others.	530 4 0	.....	18 0 0
3815	Baiman, pargana Amarthi.	529 3 0	.....	4a. 19d. 19k. 10p.	Syed Mahboob Hussein	165 6 0	.....	31 4 0

Monghyr Collectorate, the 21st November 1892.

DEANESH CHUNDER ROY, for Collector.

NOTICE is hereby given that the undermentioned plot of land no longer required by Government, situated along the Tirthat State Railway, in the district of Monghyr, will be put up to sale at 12 o'clock on Wednesday, the 18th January 1893, corresponding with the 16th Pous 1300 Fush, at Begamsarai Station, Tirthat State Railway.

The purchaser of the plot of land will be subject to the following conditions:—

1st.—The purchasers will have no power to make any excavations on the land nearer than 15 feet from the railway fencing, or plough the land closer than 3 feet from its foundation.

2nd.—If the amount of purchase-money does not exceed Rs. 100, the whole amount must be paid down at once.

3rd.—If the amount of purchase-money exceeds Rs. 100, one-fourth of the amount must be immediately deposited. If the balance be not paid by noon of the 15th day after the sale, reckoning the day of sale as one, or if that day be a close holiday, then by noon of the first succeeding office day, the sale shall be cancelled, the sum deposited being forfeited to Government, and the lot again put up for sale at the risk of the defaulting purchaser, after issue of advertisement, as in the case of original sale.

4th.—The plot of land will be sold revenue-free to the highest bidders.

5th.—The purchasers shall be put in possession on receipt by the Collector of the orders of the Board confirming the sales.

Consecutive number.	Name of district.	Pargana and mauza.	Number of mile on which land is situate.	Situated on which side of the railway.	Approximate area of lot in bighas and in acres.		Land excluded from sale from each lot.	Commencement and termination of lot.	Boundary of lot.
					B. K. D.	A. R. P.			
1	2	3	4	5	6		7	8	9
1	Monghyr	Pargana Naipur, mauza Dwarkapur.	5	East and west	3 poles or 1 cottah, 6 1/2 dhons.	.....	.....	The land is situated on mile No. 6, but the area has been shown on the plan of mile No. 8.	

Monghyr Collectorate, the 24th November 1892.

DEANESH CHUNDER ROY, Deputy Collector, for Collector.

NOTICE is hereby given, under sections 6 and 13, Act XI of 1859, that the undermentioned estates or shares of estates in the district of Muzaffarpur will be put up for sale at the Collector's Office of that district on 4th January 1893, corresponding 21st Mugh 1300F, for arrears of revenue and other demands, which, by the Regulations and Acts in force, are directed to be realized in the same manner as arrears of revenue.

When in columns 5, 7, and 9 of the appended statement it is stated that only a share is to be sold, a separate account is kept for such share, and the other share or shares in the estate are excluded from the sale :—

1	2	3	4	5	6	7	8	9
Tauzi No.	Name of mahal and pargana.	Sadar jama of the whole estate.	Whether the whole estate is to be sold.	If only a share is to be sold, specification of such share or shares.	Names of proprietors of the property to be sold.	If only a share is to be sold, the jama of such share.	If the whole estate is to be sold, the arrears due from it.	If only a share is to be sold, the arrears due from it.
16	Deora Rohijan, pargana Akbarpur.	Rs. A. P. 523 15 6	.....	A. G. C. R. D. R. P. K. 0 11 0 1 2 14 10 12	Janki Pershad and others	Rs. A. P. 18 5 2	.....	Rs. A. P. 12 5 3
16	Ditto ditto	522 15 6	.....	1 17 0 0 1 12 11 12	Hannumden Singh and others	60 0 7	.....	4 14 10
16	Ditto ditto	522 15 6	.....	0 3 1 2 1 1 0 4	Mohunth Bhograj Poori	5 11 5	.....	4 2 6
16	Ditto ditto	522 15 6	.....	2 0 3 0 1 16 0 1	Bodha Mohun Thakur and others.	60 11 11	.....	13 9 0
32	Porigama, pargana Basatru.	647 0 0	Whole	.....	Ram Rajbansi Koer	.....	Rs. A. P. 18 4 0	.....
141	Sreekhandi Bhitia, pargana Basatru.	616 11 8	Do.	.....	Ditto	.....	122 15 1	.....
308	Amra Kalan, pargana Babra Champaran.	2,000 12 9	.....	8 9 3 0 0 0 0 0	Ram Chander Pershad and others.	1,050 6 8	.....	70 2 6
321	Bazulpur Dabot, pargana Babra Champaran.	4,450 12 3	.....	0 13 2 0 2 18 0 0	Mussamat Monessur Koer.	185 8 0	.....	27 3 6
321	Ditto ditto	4,450 12 3	.....	0 0 2 1 0 13 6 0	Ramgobai Singh	8 5 7	.....	1 5 7
321	Ditto ditto	1,150 12 3	.....	1 0 3 0 2 12 8 0	Rajkoemar B. Sham Nundun Singh.	224 8 9	.....	77 1 2
321	Ditto ditto	4,450 12 3	.....	0 8 2 1 2 13 0 0	Rajkoemar B. Sheegobai Singh.	62 11 9	.....	35 13 0
321	Ditto ditto	4,450 12 3	.....	2 17 2 1 2 7 0 0	B. Sheendhoo Pershad and others.	891 13 6	.....	252 11 2
331	Bisahi, pargana Babra Champaran.	508 0 1	.....	2 2 1 1 0 0 0 0	B. Sham Nundun Singh	67 15 2	.....	19 2 3
306	Chuknouth, pargana Babra Champaran.	3,311 4 10	.....	0 2 1 0 1 8 10 0	Rajkoemar B. Sham Nundun Singh and Hadrit Hussain.	23 15 3	.....	17 14 1
306	Ditto ditto	3,311 4 10	.....	0 1 1 2 1 5 9 0	Rajkoemar B. Ram Nundun Singh.	13 9 0	.....	1 11 4
306	Ditto ditto	3,311 4 10	.....	0 6 2 1 0 9 0 0	Mussamat Ram Soonder Koer.	68 15 10	.....	19 5 9
306	Ditto ditto	3,311 4 10	.....	4 8 3 1 1 12 15 0	Shetolmi Singh (khatidra) and others.	913 11 3	.....	258 11 11
1270	Akhtiarpur Kanti, tappa Bhutwala, pargana Bisara.	1,625 13 4	.....	0 5 3 2 2 0 0 0	Mohesh Lal	44 12 0	.....	12 1 5
1270	Ditto ditto	1,625 13 4	.....	0 4 3 2 2 0 0 0	B. Shundoo Singh	44 12 0	.....	4 12 0
1270	Ditto ditto	1,625 13 4	.....	0 17 3 2 2 0 0 0	Narsingh Narain Sahi	91 5 2	.....	25 4 4
1270	Ditto ditto	1,625 13 4	.....	0 17 3 2 2 0 0 0	Audhia Pershad Sahi	91 5 2	.....	28 4 4
1270	Ditto ditto	1,625 13 4	.....	0 17 3 2 2 0 0 0	Thakoor Pershad Sahi	91 5 1	.....	28 3 11
1285	Bishoonpura, pargana Gaudasandhi.	911 12 8	.....	4 1 1 1 0 14 11 0	Polakdhari Singh and others.	230 6 11	.....	24 9 5
1285	Ditto ditto	911 12 8	.....	2 18 0 1 2 18 0 0	B. Jundoo Narain Singh	171 3 5	.....	26 9 1
1285	Ditto ditto	911 12 8	.....	0 3 1 2 2 0 0 0	Hardeo Ram Marwaroo	60 1 5	.....	8 0 10
2153	Abul Haseenpur, Chak Gurjaul, pargana Bisara.	827 4 6	.....	0 9 2 1 0 0 0 0	Hartlay Singh and others	21 4 7	.....	4 5 8
2153	Ditto ditto	827 4 6	.....	0 3 1 2 0 10 0 0	Shankh Shyam	9 4 0	.....	1 3 9
2153	Ditto ditto	827 4 6	.....	0 3 0 2 2 0 0 0	Kandoo Ram G. in	9 1 6	.....	1 8 6
2153	Ditto ditto	827 4 6	.....	0 1 0 2 1 0 0 0	Sreekishan Panday	3 1 3	.....	1 1 4
2320	Babbarpur Chhorola, pargana Bisara.	1,031 14 9	.....	1 7 0 1 1 10 0 0	Narsingh Koer	88 1 0	.....	1 4 9
2320	Ditto ditto	1,031 14 9	.....	1 1 3 2 2 0 0 0	Rejo Rameshwar Singh Bhadoor.	80 7 2	.....	15 6 3
2320	Ditto ditto	1,031 14 9	.....	0 12 1 0 0 0 0 0	Mussamat Sooraj Koer	40 3 11	.....	37 13 8
2320	Ditto ditto	1,031 14 9	.....	1 7 3 1 0 19 11 0	Riba Untoohia	25 6 1	.....	1 12 2
2456	Ghaturo Pertab, pargana Bisara.	1,139 11 9	.....	1 4 0 0 0 0 0 0	Uchit Narain Singh	82 2 5	.....	9 1 3
2456	Ditto ditto	1,139 11 9	.....	3 7 3 0 0 0 0 0	Deodhai Singh	228 8 2	.....	1 3 5
2456	Ditto ditto	1,139 11 9	.....	0 12 1 1 0 0 0 0	Isiduri	42 6 0	.....	6 2 8
2456	Ditto ditto	1,139 11 9	.....	0 5 2 0 0 0 0 0	Sheshwaraj Sahay	18 12 6	.....	6 12 11
2456	Ditto ditto	1,139 11 9	.....	0 7 3 2 1 18 2 0	Hera Lal Sahay and others.	28 2 9	.....	1 2 5
2456	Ditto ditto	1,139 11 9	.....	0 5 2 2 1 18 0 0	Janki Pershad Singh	20 5 8	.....	8 10 5
2456	Ditto ditto	1,139 11 9	.....	0 2 3 0 0 0 0 0	Kul Chaman	9 5 1	.....	2 6 1
2456	Ditto ditto	1,139 11 9	.....	0 7 2 0 2 0 0 0	Khedo Singh and others.	26 11 6	.....	2 8 3
2456	Ditto ditto	1,139 11 9	.....	0 1 3 2 0 0 0 0	Dhousma Rai	15 8 5	.....	3 3 9
2456	Ditto ditto	1,139 11 9	.....	0 3 2 1 0 0 0 0	Polakdhari Ray	12 3 1	.....	3 4 7
2456	Ditto ditto	1,139 11 9	.....	0 3 1 0 0 0 0 0	Bisheshwar Rai	11 2 1	.....	3 16 7
2456	Ditto ditto	1,139 11 9	.....	0 2 2 1 0 0 0 0	Mohamed Ali	8 13 9	.....	2 4 3
2456	Ditto ditto	1,139 11 9	.....	0 2 3 0 1 5 0 0	Rachoo Rai	9 14 8	.....	4 5 5
2456	Ditto ditto	1,139 11 9	.....	0 12 3 1 1 16 0 0	Rachoo Lal and others	45 13 2	.....	20 1 3
2456	Ditto ditto	1,139 11 9	.....	1 3 3 1 0 0 0 0	Sorabjee Lal	55 7 11	.....	16 10 4
2462	Ladipur Chak Gurjaul, pargana Bisara.	763 5 7	.....	0 2 2 2 0 5 0 0	P. Lal Panday	6 3 3	.....	1 15 1
2462	Ditto ditto	763 5 7	.....	0 7 1 2 0 0 0 0	Hachar Sahay	17 10 8	.....	3 13 11
2462	Ditto ditto	763 5 7	.....	2 11 1 1 2 0 0 0	Mussamat Soonder Koer	125 2 9	.....	21 1 1
2462	Ditto ditto	763 5 7	.....	0 1 2 1 0 5 0 0	Sant Narain	9 8 3	.....	7 10 9
2462	Ditto ditto	763 5 7	.....	2 10 3 0 0 0 0 0	Hampershad Sing	131 15 0	.....	1 5 5
2467	Pauna Madan Singh, pargana Bisara.	513 13 7	Whole	.....	Dwarka Singh and others.	.....	61 9 0	.....
2541	Raghunathpur, pargana Bisara.	2,139 10 5	Do.	.....	Sammil Bihari and others	.....	155 11 8	.....
2704	Tajpur raja alias Bhorla, pargana Bisara.	602 8 11	Do.	.....	Gobind Dutt Pandit	.....	4 3 11	.....
3478	Uphronk, pargana Hajipur.	1,435 7 9	.....	0 1 1 1 1 13 0 0	Raghonath Pershad, Dobe Pershad	0 2 11	.....	3 7 5
3474	Ditto ditto	1,435 7 9	.....	3 0 0 2 0 17 0 0	Lalaram Singh and others	270 0 2	.....	61 12 2
3500	Paran Mahmur, pargana Bisara.	665 15 9	.....	12 10 3 1 0 0 0 0	Boozra Pershad and others	445 14 5	.....	12 3 10
3528	Jodanwanpur, pargana Bisara.	719 10 7	.....	0 17 1 1 2 10 10 0	Chitram Singh	33 2 6	.....	0 11 0
3528	Ditto ditto	719 10 7	.....	0 10 3 2 2 15 0 0	Palat Koer	45 0 0	.....	30 1 0
3528	Ditto ditto	719 10 7	.....	2 7 2 1 0 5 0 0	Upmat Narain	106 7 3	.....	19 15 5
3520	Chaksignr, pargana Bisara.	1,006 10 7	.....	11 19 2 1 0 18 12 0	Hannumden Singh and others.	797 6 8	.....	54 13 3
3528	Jhangirpur Sham, pargana Bisara.	505 10 11	.....	0 1 0 1 1 19 0 0	Gopal Mohit	19 11 0	.....	0 10 6
3533	Ditto ditto	505 10 11	.....	0 1 1 2 0 12 0 0	Nand Keshor Sahay	2 8 3	.....	3 0 0
3533	Ditto ditto	505 10 11	.....	3 5 0 2 2 0 0 0	Sindur Narain and others	115 3 5	.....	80 4 5



1	2	3	4	5	6	7	8	9
Tauzi No.	Name of mahal and pargana.	Sadar in Rs. A. P. of whole estate.	Whether the whole estate is to be sold.	If only a share is to be sold, specification of such share or shares.	Names of proprietors of property to be sold.	If only a share is to be sold, the sadar jama of such share.	If the whole estate is to be sold, the arrears due from it.	If only a share is to be sold, the arrears due from it.
3530	Chakravarin, pargana Biswa.	511 4 7	.....	A. G. C. K. D. N. P. R. 2 2 3 2 2 15 0 0	Ganesh Pershad ... ..	Rs. A. P. 95 1 6	.....	Rs. A. P. 29 0 1
3531	.....	511 4 7	.....	7 6 0 0 1 17 6 0	Nandan Lal ... ..	233 7 10	.....	100 6 4
3532	Sectalpur Kolan, pargana Hajipur.	523 0 0	.....	0 14 1 1 1 10 0 0	Rajkoosur Singh ... ..	26 10 0	.....	1 10 0
3533	.....	523 0 0	.....	15 6 2 1 1 10 0 0	Ram Khehwan Singh ... ..	565 6 0	.....	7 3 8
3534	Fatehpur Shubhaz, pargana Hajipur.	615 10 8	.....	0 0 1 1 1 0 0 0	Bheshwar Salay ... ..	18 14 0	.....	8 3 4
3535	.....	615 10 8	.....	1 12 1 1 1 19 0 0	Basakher Lal and others ... ..	65 5 10	.....	61 11 5
3536	Kornipur, pargana Hajipur.	585 3 0	.....	1 0 0 2 0 10 0 0	Ram Kishun Pandey ... ..	27 7 1	.....	12 11 2
3537	.....	585 3 0	.....	11 5 0 0 0 0 0 0	Sonaman Singh ... ..	411 7 8	.....	41 10 8
3538	Gobindpur, pargana Hajipur.	585 6 11	.....	0 8 0 0 0 0 0 0	Bangobind Singh ... ..	20 14 8	.....	1 1 11
3539	.....	585 6 11	.....	0 18 0 0 2 10 0 0	Ramkaks Singh ... ..	48 12 0	.....	18 14 0
3540	.....	585 6 11	.....	0 14 0 0 1 5 0 0	Bhazwan Salay ... ..	30 15 2	.....	31 14 0
3541	.....	585 6 11	.....	0 2 0 2 0 12 0 0	Bajwan Singh ... ..	6 10 8	.....	7 15 2
3542	.....	585 6 11	.....	0 12 0 0 0 1 0 0	Bajwan Singh ... ..	31 6 0	.....	1 9 0
3543	.....	585 6 11	.....	0 2 3 0 0 0 0 0	Nand Kumar Lal ... ..	7 8 0	.....	3 2 0
3544	.....	585 6 11	.....	1 5 0 0 0 10 0 0	Keshwar Naram ... ..	66 4 0	.....	6 15 0
3545	.....	585 6 11	.....	0 14 0 0 2 10 0 0	Nand Pershad ... ..	35 1 1	.....	5 0 2
3546	Nawanagar, pargana Hajipur.	791 0 0	.....	1 0 2 1 0 0 0 0	Kerat Naram Singh ... ..	65 14 8	.....	28 15 8
3547	.....	791 0 0	.....	0 13 1 1 0 0 0 0	Mad Naram ... ..	52 15 4	.....	9 12 8
3548	.....	791 0 0	.....	1 10 0 0 0 0 0 0	R. Hari Ram ... ..	71 2 6	.....	29 3 9
3549	Jagespur Bari, pargana Hajipur.	597 6 11	Whole ..	.....	Balokshun Dass ... ..	.....	18 14 8	.....
4167	Bhokhanpur, pargana Marwah Khord.	597 6 11	Do. ..	.....	Nazeehulissa ... ..	.....	5 13 4	.....
4208	Talsaka Narawan, pargana Marwah Khord.	1,729 9 6	.....	0 4 1 2 0 0 0 0	Bhoothan Singh ... ..	34 3 7	.....	2 12 6
4209	.....	1,729 9 6	.....	0 13 1 1 0 11 11	Gobind Rai ... ..	72 3 0	.....	29 7 6
4210	.....	1,729 9 6	.....	0 19 3 2 0 18 11	Sham Naram Rai ... ..	107 3 1	.....	27 0 10
4211	.....	1,729 9 6	.....	0 2 0 0 0 0 12	Harjo Singh ... ..	10 14 3	.....	4 9 1
4212	.....	1,729 9 6	.....	0 0 2 2 2 10 5	Deep Naram Singh ... ..	3 15 8	.....	2 15 3
4213	.....	1,729 9 6	.....	0 6 1 1 2 15 6	Bhujoo Singh and others ... ..	2 3 3	.....	1 9 9
4214	.....	1,729 9 6	.....	0 4 1 1 1 13 1	Keop Naram Singh and others ... ..	23 10 10	.....	8 11 1
4215	.....	1,729 9 6	.....	0 8 3 1 0 0 11 8	Mussamat Jannarat Koer and others ... ..	47 12 0	.....	26 13 9
4511	Tamergay, pargana Marwah Kolan.	1,482 14 7	Whole ..	.....	Nature Lal ... ..	.....	14 8 3	.....
5077	Parsani Bahubora, pargana Mahila Toocki.	800 8 0	Do. ..	.....	Rajah Perooddeen Khan ... ..	.....	3 12 11	.....
6023	Keshwar, Matulban, chak Nai, pargana Biswa.	1,456 2 2	.....	0 13 3 2 2 0 0 0	Bibi Omida ... ..	62 2 3	.....	19 6 2
6024	.....	1,456 2 2	.....	0 11 2 2 2 0 0 0	Mussamat Sogra Begum ... ..	53 7 0	.....	53 6 0
6025	.....	1,456 2 2	.....	0 5 2 1 0 0 0 0	Somphul Jha ... ..	25 9 0	.....	5 7 0
6026	.....	1,456 2 2	.....	0 1 2 0 0 0 0 0	Bibi Ali Bandi ... ..	52 6 0	.....	31 5 7
6027	.....	1,456 2 2	.....	0 12 0 0 2 0 0 0	Mr. MacDonell ... ..	61 10 3	.....	15 0 0
6028	.....	1,456 2 2	.....	0 7 3 2 0 0 0 0	Muthooa Dass ... ..	36 1 6	.....	34 0 6
6029	.....	1,456 2 2	.....	0 7 3 2 0 0 0 0	Aquidun Dass ... ..	36 1 6	.....	27 14 4
6030	.....	1,456 2 2	.....	0 8 3 1 0 11 0 0	Songesur Choudhry ... ..	40 3 11	.....	8 8 0
6031	.....	1,456 2 2	.....	0 1 2 0 2 0 0 0	Haji Choudhry ... ..	19 3 10	.....	16 9 2
6032	.....	1,456 2 2	.....	0 4 1 1 0 0 0 0	Molunth Sonjoo Dass ... ..	19 14 4	.....	6 2 8
6033	.....	1,456 2 2	.....	0 13 1 0 0 12 0 0	Harwar Choudhry ... ..	60 5 9	.....	48 5 0
6034	.....	1,456 2 2	.....	0 8 3 1 1 0 0 0	Harwar Choudhry ... ..	40 7 3	.....	72 7 7
6035	.....	1,456 2 2	.....	0 1 2 0 0 10 0 0	Ram Kach Jha ... ..	6 14 0	.....	2 3 0
6036	.....	1,456 2 2	.....	0 0 3 2 0 0 0 0	Ram Lal ... ..	4 3 4	.....	3 6 4
6037	.....	1,456 2 2	.....	0 0 3 1 2 7 0 0	Jankoo Koer ... ..	4 1 1	.....	2 10 4
6038	.....	1,456 2 2	.....	0 3 1 1 0 0 0 0	Ram Anwar Persad Singh ... ..	15 2 0	.....	8 8 8
6039	.....	1,456 2 2	.....	0 5 2 0 0 0 0 0	Syed Hassan Ali Khan ... ..	25 0 1	.....	9 5 2
6040	.....	1,456 2 2	.....	0 2 2 0 2 16 0 0	Mussamat Bibi Naban ... ..	11 6 11	.....	4 6 0
6041	.....	1,456 2 2	.....	0 15 1 0 2 0 0 0	Syed Ali Khan ... ..	68 14 10	.....	10 8 0
6042	Basul, pargana Rates.	559 6 5	.....	7 9 2 2 0 12 0 0	Sadree Khan ... ..	229 1 1	.....	30 13 3
6043	.....	559 6 5	Whole ..	.....	Sadree Khan ... ..	.....	96 13 3	.....
6044	Jafnapur, pargana Rates.	945 14 9	.....	14 15 2 1 1 10 0 0	Bahundoo Naram ... ..	875 12 0	.....	3 2 0
6045	Keshwar, Bahangawan, pargana Rates.	558 5 5	.....	0 10 2 1 2 18 2 0	Laj Pertab Singh ... ..	31 4 11	.....	20 1 9
7031	.....	558 5 5	.....	0 6 2 0 1 8 12 0	Bahobind Salay ... ..	15 5 3	.....	2 13 11
7032	.....	558 5 5	.....	5 10 2 1 1 10 0 0	Mohunth Begum Dass ... ..	224 5 9	.....	85 0 3
7033	.....	558 5 5	.....	1 3 1 2 0 10 12 0	Haji Naram ... ..	48 15 5	.....	19 4 5
7034	.....	558 5 5	.....	0 18 3 0 0 0 0 0	Kashee Shoo ... ..	38 13 0	.....	9 15 7
7035	.....	558 5 5	.....	0 15 2 1 0 13 12 0	Bahundoo Naram ... ..	33 16 0	.....	5 0 4
7036	.....	558 5 5	.....	1 11 1 0 0 7 8 0	Sadree Koer ... ..	61 7 3	.....	78 4 104
7037	Mohalapur, pargana Rates.	559 6 11	.....	0 8 1 0 1 2 8 0	Gundestre Choudry ... ..	19 10 0	.....	1 13 6
7038	.....	559 6 11	.....	3 2 2 0 0 0 0 0	Budestree Pershad ... ..	143 10 5	.....	83 4 3
7039	.....	559 6 11	Whole ..	.....	Harwar Pershad Naram ... ..	.....	2 2 0	.....
7040	.....	559 6 11	.....	3 0 2 2 2 17 10 0	Bhadra K ... ..	236 4 11	.....	78 12 2
7041	.....	559 6 11	.....	0 7 0 0 0 10 0 0	Mohamed Hussain ... ..	32 3 11	.....	3 12 11
7151	.....	4,112 11 8	.....	0 13 1 0 0 0 0 0	Shoodhera Singh ... ..	60 14 0	.....	12 11 0
7152	.....	4,112 11 8	.....	1 1 2 0 0 0 0 0	Bodhran Mohle ... ..	98 14 5	.....	7 8 6
7153	.....	4,112 11 8	.....	0 5 0 1 0 0 0 0	Manohar Pershad ... ..	23 5 4	.....	23 5 4
7154	.....	4,112 11 8	.....	0 3 5 0 1 0 0 0	Rashtab Pershad ... ..	17 5 10	.....	8 14 0
7155	.....	4,112 11 8	.....	0 1 3 2 2 0 0 0	Chaudhan Lal and others ... ..	17 5 7	.....	52 0 4
7156	.....	4,112 11 8	.....	2 7 2 0 2 0 0 0	G. Gopur Salai ... ..	127 9 5	.....	82 4 2
7157	.....	4,112 11 8	.....	0 3 3 1 0 0 0 0	Mussamat Anoop Koer ... ..	47 15 0	.....	27 8 11
7220	Kurumbur, pargana Rates.	1,370 1 0	.....	0 1 2 1 0 0 0 0	Wazeer Singh ... ..	22 6 44	.....	10 0 7
7221	.....	1,370 1 0	.....	0 1 3 1 1 10 0 0	Naram Duti Singh ... ..	90 11 11	.....	18 14 5
7222	.....	1,370 1 0	.....	0 3 3 0 0 0 0 0	Narhoo Singh ... ..	51 16 1	.....	7 11 3
7223	.....	1,370 1 0	.....	0 1 2 0 0 0 0 0	Narasingh Naram Singh ... ..	20 1 6	.....	25 12 11
7224	.....	1,370 1 0	.....	0 1 0 2 2 0 0 0	Parabho Koer ... ..	0 9 7	.....	6 2 0
7225	.....	1,370 1 0	.....	0 5 2 0 0 0 0 0	Capal Naram Singh ... ..	75 8 6	.....	6 0 3
7226	.....	1,370 1 0	.....	0 1 0 0 0 0 0 0	Nandan Lal ... ..	12 10 8	.....	6 6 6
7227	.....	1,370 1 0	.....	0 15 1 1 0 0 0 0	Mr. William Fitch ... ..	229 10 8	.....	90 11 9
8250	Bahoonpur, Bahapur, pargana Tirsath.	557 8 4	.....	8 0 0 0 0 0 0 0	Keshundyal Misser and others ... ..	278 12 2	.....	18 11 10
8372	Sicholi, pargana Tirsath.	557 0 2	Whole ..	.....	Ramdhury Singh ... ..	.....	167 14 1	.....
8373	.....	557 0 2	Do. ..	.....	Bahobind Koer ... ..	.....	131 6 0	.....
9005	Bhagwanpur, pargana Boihur.	601 11 0	.....	3 17 2 0 0 16 0 0	Deer Kachwar Lal ... ..	83 13 0	.....	15 11 8
9006	.....	601 11 0	.....	12 14 1 0 2 15 0 0	Juman Lal Mohitha ... ..	554 10 0	.....	50 0 10
9007	.....	601 11 0	Whole ..	.....	Haji S. Mahomed Ali Khan ... ..	.....	70 5 8	.....
9532	Sonpur, pargana Bahur, Champapur.	960 3 8	.....	2 12 2 0 1 0 0 0	Narsingh Peramad Naram Singh ... ..	158 6 0	.....	60 4 64

1	2	3	4	5	6	7	8	9
Tamri No.	Name of mahal and pargana.	Sadar jamra of the whole estate.	Whether the whole estate is to be sold.	If only a share is to be sold, specification of such share or shares.	Names of proprietors of property to be sold.	If only a share is to be sold, the sadar jamra of such share.	If the whole estate is to be sold, the arrears due from it.	If only a share is to be sold, the arrears due from it.
9382	Shampore, pargana Bahra Champaran.	Rs. A. P. 950 3 8	.....	A. G. C. K. D. R. P. K. 2 13 2 0 1 0 0 0	Musammil Ram Souder Koor, mother and guardian of Indree Nagon.	Rs. A. P. 158 5 9	Rs. A. P. ..	Rs. A. P. 27 9 7
9382	Ditto ditto	950 3 8	.....	8 0 0 0 0 0 0 0	Musammil Mungesur Koor	475 1 11	.....	24 9 10
9402	Irani Bishoo Nondaror, pargana Gudusando.	865 5 0	.....	6 18 1 1 0 0 0 0	Bachundee Naran Singh	390 6 6	.....	92 0 3
9480	Blingswampur, Pukree Chik Gurjaul, pargana Bisari.	567 5 0	Whole	..	Rameshur Lal Sahoo	.....	92 8 4	.....
10027	Jarsohn, pargana Hajipur.	1,212 1 5	.....	1 13 2 1 0 0 0 0	Leese Pershad (sole purchaser.)	127 11 11	.....	15 13 9
10027	Ditto ditto	1,212 1 5	.....	3 6 3 1 2 0 0 0	Jagernath Sahoo	252 7 3	.....	8 15 1
10027	Ditto ditto	1,212 1 5	.....	6 12 3 1 0 0 0 0	Shamsuddin	39 15 11	.....	3 14 6
10027	Ditto ditto	1,212 1 5	.....	2 12 2 1 0 0 0 0	Rajee Khatoon Asman	290 9 11	.....	15 12 9
10067	Ujjairee alias Andhinari, pargana Mahila Tichol.	650 8 5	.....	12 9 0 0 0 0 0 0	Chander Deo Naran	487 14 3	.....	32 6 6
10570	Gadecpur, pargana Mohila Tichol.	2,230 6 10	Whole	.....	Sree Roekmani Bahoo Jim abarni.	.....	237 15 4	.....
10812	Majhaula, pargana Nizamabadpur.	573 2 10	Do.	.....	Rajpath Pertab Naran	.....	18 10 1	.....

MUZAFFARPUR, the 25th November 1892.

T. W. FISCHER, for Collector.

NOTICE is hereby given, under sections 6 and 13, Act XI of 1859, that the undermentioned estates or shares of estates in the district of Champaran will be put up for sale at the Collector's Office of that district on the 6th of January 1893 for arrears of revenue and other demands which, by the Regulations and Acts in force, are directed to be realized in the same manner as arrears of revenue.

When in columns 5, 7, and 9 of the appended statement it is stated that only a share is to be sold, a separate account is kept for such share, and the other share or shares in the estate are excluded from the sale:—

1	2	3	4	5	6	7	8	9
Tamri No.	Name of mahal and pargana.	Sadar jamra of whole estate.	Whether the whole estate is to be sold.	If only a share is to be sold, specification of such share or shares.	Names of proprietors of property to be sold.	If only a share is to be sold, the sadar jamra of such share.	If the whole estate is to be sold, the arrears due from it.	If only a share is to be sold, the arrears due from it.
23	Kocha Belwa, pargana Mehsi.	Rs. A. P. 610 0 0	No	11a. 5p.	Raja Shooraj Nundan Singh and Raja Deo Nundan Singh and others.	Rs. A. P. 228 12 0	Rs. A. P. .....	Rs. A. P. 12 4 7
213	Jatwara, pargana Mehsi.	570 0 1	Entire estate.	.....	Raja Babu Mahabir Pershad Sahu Bahadur and Shew-gobind Sahu and others.	.....	7 1 0	.....
215	Jogawalia, pargana Mehsi.	3,201 1 1	No	3a. 9p.	Raja Deo Nundan Singh	750 4 0	.....	211 3 6
306	Pursowra, pargana Majhwa.	1,182 7 6	No	4a. 17k. 10m.	Maharaja Bahadur Bettiah and others.	332 6 6	.....	4 8 6
409	Pursowra Khani, pargana Mehsi.	3,195 11 0	No	3a. 8p.	Khedee Thakur, Raja Shooraj Nundan Singh and others.	2,330 3 7	.....	180 6 3
520	Ballma, pargana Majhwa.	542 10 8	No	10a. 6p.	Manohar Tewari Leiji Pandey and others.	850 2 0	.....	57 13 6
586	Bhuan Chupra, pargana Mehsi.	1,036 14 2	Entire estate.	.....	Sadhu Singh himself and members of Raja Bahadur Singh, Rawal Singh and others.	.....	4 6 0	.....
503	Mahal Bhandar, pargana Mehsi.	1,171 5 5	No	3a. 6p. 12k. 10m.	Raja Deo Nundan Singh Bahadur and Raja Nundan Singh and others.	416 1 1	.....	42 2 0
613	Mehsi Khua, pargana Mehsi.	763 9 9	No	16a. of each of the mairas Mehsi, Pursowra, Chik Daba alias Man Chakraba, and 8a. of Chik Nasba.	Raja Shooraj Nundan Singh, Raja Deo Nundan Singh and others.	701 10 8	.....	51 4 8
619	Mandipur, pargana Mehsi.	626 10 8	No	8a.	Mr. H. J. Hill, Jagoraj Singh and others.	333 5 4	.....	12 3 6
624	Madhocpur Kirt Sahi, pargana Mehsi.	586 0 0	Entire estate.	.....	Musammil Makunda Bibi, Ram Naran Singh and others.	.....	11 5 3	.....
763	Rampur, pargana Saurawn.	2,188 4 0	Entire estate.	.....	Mr. William Moran, Janki Pershad and others.	.....	7 1 2	.....
777	Roopowlia Khani, pargana Mehsi.	631 10 4	No	After excluding 2a. 9p. in Rampur, the remaining entire estate will be sold.	Raja Shooraj Nundan Singh, Raja Deo Nundan Singh and others.	558 1 11	.....	46 3 0
820	Siawa Chundrala, pargana Mehsi.	1,001 0 0	No	16a. Chundrala, Tola Basawan, Roopowlia, and 5a. 8p. in Siawa, Khatana, Chundrowli, Pipra Jainuddin, Joy Ray Nowgawn.	Hardwar Prashad, Shunker Prashad, Gausah Prashad and others.	815 7 7	.....	43 4 6
802	Lachmepur Sonbura, pargana Majhwa.	581 5 5	No	10a. Sonbura and 2a. Lachmipur.	Foujdar Singh and others	314 13 5	.....	7 14 0
823	Kocha Belwa, pargana Mehsi.	640 0 0	No	2a.	Musammil Raj Naik Koor and others.	80 0 0	.....	22 5 0

Champaran, Collectorate, the 2nd December 1892.

W. D. BLYTH, Collector.

NOTICE is hereby given, under sections 6 and 18, Act XI of 1859, that the undermentioned estates or shares of estates in the district of Shahabad will be put up to public and unreserved sale at the Collector's Office of that district on the 9th day of January 1893 for arrears of revenue and other demands which, by the Regulations and Acts in force, are directed to be realized in the same manner as arrears of revenue.

When in columns 5, 7, and 9 of the appended statement it is stated that only a share is to be sold, a separate account is kept for such share, and the other share or shares in the estate are excluded from the sale:—

1	2	3	4	5	6	7	8	9	10
Serial No.	Tantri No.	Name of mahal with pargana.	Sadar name of whole estate.	Whether the whole estate is to be sold.	If only a share is to be sold, specification of such share or shares.	Names of proprietors of the property to be sold.	If only a share is to be sold, the sadar name of such share.	If the whole estate is to be sold, the arrears due from it.	If only a share is to be sold, the arrears due from it.
1	50	Balua, pargana Arrah.	Rs. A. P. 4,661 11 0	.....	Balua 1a, 6p. .... Tatara 12 a. Tuk Serna 16a. 13a. 4p.	Loh Bahadur Rai and others.	Rs. A. P. 654 3 21	Rs. A. P. .....	Rs. A. P. 39 02 73
2	133	Bajilpur Bhakura, pargana Arrah.	823 5 4	.....	.....	Chaudhary Bahunath Saran Singh and others.	686 1 04	.....	7 0 5a
3	183	Dalpur Jahanpur, pargana Arrah.	600 3 0	Whole	.....	Amor Singh and others.	.....	300 3 0	.....
4	199	Ekawana, pargana Arrah.	790 6 5	Do.	.....	Babu Banjerath Sahu.	.....	119 12 5	.....
5	208	Perluongpur, pargana Arrah.	1,592 0 1	.....	Tafrik roll Ditto	Jaydevnar Narain Singh and others. Raj Bahadur Singh and others.	409 6 6 204 5 104	.....	17 4 0 177 15 74
6	311	Koripur Kaban, pargana Arrah.	519 12 0	.....	11a. ....	Kulhip Singh and others.	543 9 7	.....	3 8 8
7	317	Kaharpur Agwandi, pargana Arrah.	1,033 6 1	.....	4a. .... 9a. 4p.	Chandhary Bahunath Saran Singh and others. Mubhar Pasad Singh and others.	258 13 64 603 15 64	.....	5 15 64 1 13 54
8	357	Khaporia, pargana Arrah.	1,967 11 0	.....	5 a. 17 d.	Chandun Tewari and others.	392 3 74	.....	24 0 74
9	583	Lachmanpur pargana Arrah.	1,673 1 11	.....	1a. 4p.	Kamander Dass and others.	130 6 104	.....	26 4 24
10	591	Mathanpur Soudia, pargana Arrah.	2,256 10 8	.....	1a. 10 a. 194.	Panna Kuar and others.	195 14 1	.....	11 13 154
11	416	Misadi Mukund, pargana Arrah.	941 2 0	.....	4a. 7p. 7a. .... Bishunpara 4a. 5p. 15k. 10a. Masari Mukund, 6p. 6k. Bishunpara, 1a. 1p. 6k. 13a. 6d. 124.	Makshood Ali Khan and others. Tara Singh and others. Kamhar Saran Singh and others.	1,385 2 104 32 4 5 31 11 44	.....	30 15 54 5 11 5 5 4 9
12	429	Mehunpura Kuria, pargana Arrah.	736 6 84	.....	5a. ....	Kunjbehari and others.	365 3 44	.....	41 11 34
13	632	Salempore Parsa, pargana Arrah.	4,000 0 0	Whole	.....	Bajunath Sahu.	.....	230 0 0	.....
14	639	Sundhanwari, pargana Arrah.	1,061 14 4	.....	13a. 6a. 17 a. 5d.	Dundup Singh and others.	950 3 24	.....	13 0 1
15	716	Dawatpur Kowabachak, pargana Barabganwan.	1,148 11 11	.....	6a. 8p.	Kunjbehari and others.	620 15 24	.....	27 3 14
16	723	Koilwar, pargana Barabganwan.	7,770 12 7	.....	Tafrik roll	Kunjbehari and others.	967 4 14	.....	11 5 14
17	818	Sabulpore, pargana Barabganwan.	407 3 2	.....	Ditto Ditto	Sunder Dass and others. Kuktuk Kuar and others. Bakobehari Singh and others. Jagool Kashore Singh and others.	455 11 84 102 10 5p. 92 11 64 232 10 9	.....	309 11 74 10 1 34 10 9 3 3 6 14
18	1104	Paderia Dakhli Kuer, pargana Bihra.	1,530 0 0	Whole	.....	Babu Bai Nath Sahu.	.....	236 0 0	.....
19	1102	Pasowada, pargana Bihra.	962 2 2	.....	8a. ....	Musamat Sona Kuar and others.	481 0 2	.....	37 4 0
20	1103	Durey Pasowada, pargana Bihra.	1,551 11 6	.....	8a. ....	Musamat Sona Kuar.	555 13 9	.....	20 0 2
21	1201	Sikaria Bimahi, pargana Bihra.	1,185 2 4	.....	Sikaria, 16a.	Ram Narain Singh and others.	743 2 1	.....	31 1 10
22	1311	Sudhri, pargana Bihra.	4,253 13 10	.....	.....	Musamat Sona Kuar and others.	2,324 4 2	.....	42 4 2
23	1217	Shakulpore Mahadwandi, pargana Bihra.	2,023 7 0	.....	4a. ....	Raj Kishor Singh and others.	655 13 9	.....	123 1 9
24	1214	Ami Soudia, pargana Bihra.	1,516 6 8	Whole	.....	Rachamandan and others.	.....	109 9 0	.....
25	1314	Dan subhospore, pargana Bhupore.	438 14 11	.....	Maikochi Gusanpore	Rambhar and others.	238 6 74	.....	11 13 104
26	1629	Chaharpatti Bilebeck Sahu, pargana Chansa.	841 9 7	Whole	.....	Chhotte Pande and others.	.....	7 14 5	.....
27	1788	Korui, pargana Chansa.	1,039 13 3	Do.	.....	Musamat Taraput and others.	.....	41 12 0	.....
28	1793	Kanchuri, pargana Chansa.	2,047 13 4	Do.	.....	Son Kish Kuar and others.	.....	7 9 10	.....
29	1798	Kosoorpa, pargana Chansa.	839 11 6	Do.	.....	Nawab Lail and others.	.....	22 7 9	.....
30	1918	Orwar Chinton Dila, pargana Chansa.	544 1 6	Do.	.....	Musamat Karimfatma and others.	.....	22 4 0	.....
31	2156	Tiwari, pargana Chansa.	602 5 3	.....	7a. 94p. 3a. 6p.	Harisham Rai and others. Shewdenni Musir and others.	214 9 114 111 3 24	.....	16 4 114 5 12 6
32	2074	Amson, pargana Chansa.	11,337 6 64	.....	.....	Majad Singh and others.	.....	4,524 14 8	.....
33	2080	Aurai Bheribhawad, pargana Champore.	422 14 11	Whole	.....	Soraj Narain Singh and others.	.....	380 14 114	.....
34	2082	Ditto	501 1 15k.	Do.	.....	Rajin Krishan Musir, Manager.	.....	126 15 44	.....
35	2094	Akordi Schrole, pargana Champore.	1,121 1 0	Do.	Ijmah	Kandha Pandey and others.	437 11 34	.....	217 15 84
36	2098	Alipore Musi, pargana Champore.	3,253 9 74	.....	.....	Lalbahadur Singh and others.	.....	121 4 44	.....
37	2102	Bugula, pargana Champore.	1,619 11 0	Whole	.....	Gyan Prashad and others.	.....	673 5 2	.....

1	2	3	4	5	6	7	8	9	10
Serial No.	Tanna No.	Name of mahal with pargana.	Sadar jama of whole estate.	Whether the whole estate is to be sold.	If only a share is to be sold, specification of such share or shares.	Names of proprietors of the property to be sold.	If only a share is to be sold, the sadar jama of such share.	If the whole estate is to be sold, the arrears due from it.	If only a share is to be sold, the arrears due from it.
			Rs. A. P.				Rs. A. P.	Rs. A. P.	Rs. A. P.
38	2161	Baghini, pargana Champore.	850 11 9	....	4a, 6p.	Reynazuddin Khan and others.	241 12 74	....	17 3 54
39	2175	Bahsom, pargana Champore.	1,051 1 10	....	2a, 6p.	Rendutt Rai and others.	131 5 0	....	107 13 54
40	2189	Bara Razhonathpur, pargana Champore.	1,325 13 10	Whole	....	Ramoutar Singh and others.	110 3 0	....	74 3 2
41	2250	Bhaikhai, pargana Champore.	722 6 0	....	7a, 5p, 84, 11a, 7d.	Singh Naran Singh and others, P. d. 10a.	....	354 11 0	....
42	2307	Chhata, pargana Champore.	709 5 4	....	1a.	Har. Das and others.	363 12 84	....	135 7 14
43	2329	Darsohi, pargana Champore.	2,341 8 6	....	1a.	Minat B. and others.	171 5 1	....	73 13 9
44	2332	Darsohi, pargana Champore.	1,966 10 8	....	8a.	Haseenabih.	351 10 8	....	179 13 3
45	2345	Darsohi, pargana Champore.	785 1 1	Whole	....	Ram Narayan Singh.	345 9 7	....	2 11 2
46	2119	Darsohi, pargana Champore.	541 5 4	....	1a.	Janki Singh and others.	629 0 9	....	6 11 8
47	2133	Gad, pargana Champore.	1,441 0 0	....	1a.	Gocharai Rai and others.	200 10 8	....	78 14 3
48	2142	Gad, pargana Champore.	611 3 2	Whole	....	Musammat Lakshmi and others.	211 1 10	....	57 1 1
49	2144	Gad, pargana Champore.	569 6 0	....	1a.	Gangesh Tewari and others.	247 14 71	....	132 13 7
50	2126	Karwadi, pargana Champore.	1,578 15 6	....	1a.	Kutka, Pooal and others.	179 0 5	....	10 6 24
51	2617	Kates, pargana Champore.	713 9 7	....	1a.	Ramsingh Singh and others.	98 13 2	....	34 10 8
52	2744	Laludani, pargana Champore.	1,323 11 9	Whole	....	Ramoutar Singh.	139 3 2	....	11 7 5
53	2701	Mookhadi, pargana Champore.	2,133 8 5	....	1a.	Musammat Lakshmi and others.	115 2 3	....	14 4 9
54	2702	Mahant Soomer, pargana Champore.	1,402 10 8	Whole	....	Janki, Purnash and others.	874 2 0	....	144 13 1
55	2878	Amnon Jherai, pargana Champore.	814 14 11	Do.	....	Harkha Singh and others.	....	2 2 7	....
56	2929	Pipra, pargana Champore.	917 10 2	....	1a.	Ram Lal Singh and others.	351 4 0	....	222 11 0
57	2953	Pooal, pargana Champore.	660 0 0	Whole	....	Lachmi Naran Singh and others.	944 13 34	....	1,050 11 2
58	2984	Raghunath K. inde, pargana Champore.	1,329 5 4	....	1a.	Musammat Mahra and others.	20 10 8	....	28 10 0
59	3034	Sarbit, pargana Champore.	1,069 11 9	Whole	....	Kadai Ali Khan and others.	11 0 0	....	69 7 0
60	3053	Ditto ditto	1,020 11 9	Do.	....	Lachmi Naran Singh and others.	26 10 8	....	11 0 1
61	3063	Samer, pargana Champore.	8,708 5 14	Do.	....	Kadai Ali Khan and others.	33 5 1	....	101 16 4
62	3074	Sondhi, pargana Champore.	1,036 4 3	....	1a.	Nagat Khan.	68 0 10	....	19 2 1
63	3087	Shooka, pargana Champore.	2,133 1 3	....	1a.	Musammat Ali and others.	257 1 3	....	1,004 7 54
64	3085	Sikhi, pargana Champore.	1,341 5 4	....	1a.	Singh Naran Singh and others.	591 10 7	....	210 1 11
65	3090	Shew, pargana Champore.	746 10 8	....	1a.	Harbans Naran Singh and others.	531 0 3	....	847 4 10
66	3101	Serporopahi, pargana Champore.	1,110 14 11	....	1a.	....	944 13 34	....	114 4 12
67	3103	Shewporchahi, pargana Champore.	937 7 6	....	1a.	Musammat Bumsu and others.	....	615 11 0	....
						Gopal Ram Singh and others.	....	963 13 8	....
						Shaker Choud and others.	703 12 34	....	20 10 8
						Shama Dass and others.	253 13 104	....	39 1 104
						Jadew Singh.	109 3 11	....	9 11 1
						Sahi Nath Singh and others.	570 14 14	....	675 7 3
						Taki Khan and others.	....	71 3 34	....
						Musammat Boddmin and others.	....	138 3 1	....
						Janki Bai and others.	....	141 13 64	....
						Musammat Badam Kuar.	....	64 12 9	....
						Pabu Bishunath Singh and others.	1,006 2 12	....	1,080 13 1
						Chandhi Kisho Prashad Singh and others.	285 5 1	....	....
						Ramoutar Singh and others.	854 0 6	....	149 1 1
						Shew Naran Singh and others.	613 7 0	....	2 14 8
						Ram Harbans Naran Singh.	250 0 0	....	50 1 0
						Tilakdasi Lal and others.	10 1 0	....	8 4 5

1	2	3	4	5	6	7	8	9	10
Serial No.	Case No.	Name of mahal with pargana.	Sadar jama of the whole estate.	Whether the whole estate is to be sold.	If only a share is to be sold, specification of such share or shares.	Names of proprietors of the property to be sold.	If only a share is to be sold, the sadar jama of such share.	If the whole estate is to be sold, the arrears due from it.	If only a share is to be sold, the arrears due from it.
68	3178	Toti, pargana Chain-pore.	Rs. A. P. 800 13 3	.....	1juali .....	Janki Singh and others	Rs. A. P. 240 0 3	.....	Rs. A. P. 305 11 10
69	3249	Belari, Rangit, pargana Danwar.	1,100 0 0	Whole ..	.....	Tirbeni Prashad Singh and others.	.....	3 0 1	.....
70	3308	Dawath, pargana Danwar.	1,174 0 6	.....	..... A. P.	.....	575 5 14	.....	0 8 0
71	3435	Karna, pargana Danwar.	2,210 8 4	.....	Raman Dikra .. 3 6 Jagan Dikra .. 3 6 Dharavalia .. 3 6 Kesho Dih .. 3 6 Anuona .. 16 0 Khura .. 16 0 Dhader .. 16 0 Anaritha .. 16 0 Karna .. 16 0	Ram Churan Sahoo and others.	1,675 0 6	.....	102 2 0
72	3480	Nad Khurd Rojru, pargana Danwar.	845 1 1	Whole ..	.....	Babu Rameshar Singh and others.	.....	37 10 3	.....
73	3635	Patty Kariari, pargana Danwar.	1,035 1 1	Do. ....	.....	Musammat Sona Kuer and others.	.....	85 8 0	.....
74	3631	Kosahi Sarwa, pargana Dimsa.	1,000 0 0	.....	Sarwaon .. 2 Ditto .. 14 Kosahi khas 7 1 6 13 5 Koh .. 7 1 6 13 5 Patty Usraon .. 5 4 Sa. ....	Maharaj Kumar Singh and others. Kishan Chand and others. Ran Saran Lall and others.	26 13 8 189 6 8 137 1 11	.....	3 14 2 6 11 7 2 11 10
75	3647	Nanon, pargana Dimsa.	1,280 0 0	.....	..... A. P.	Jagadma Prashad and others. Baj Nath Saha and others. Hazari Sahoo and others.	240 0 0 773 5 4 .....	.....	60 0 0 134 6 3 .....
76	3731	Chilharikour, Koori, pargana Nonou.	813 13 0	Whole ..	.....	Bishun Doyal Singh and others.	1,003 0 0	.....	25 1 0
77	3767	Hempore Lasadi, pargana Nonou.	2,292 0 0	.....	Lasadi .. 12 Chooria .. 15 Laz. ....	Choudhary Mahir Prashad Singh and others.	1,223 14 0	.....	36 11 4
78	3865	Panmari, pargana Nonou.	1,513 0 0	.....	.....	Babu Das Patti Singh and others.	67-0 12 4	.....	137 4 8
79	3908	Belawar, pargana Pawar.	6,129 13 51	.....	.....	.....	4 9 15	.....	.....
80	3985	Gaduhia, pargana Pawar.	502 4 5	Whole ..	Chedi Rao and others ..	.....	.....	.....	.....
81	4018	Kasap, pargana Pawar.	1,271 12 0	Do. ....	.....	Hardeyal Singh and others.	.....	6 10 0	.....
82	4102	Sandos, pargana Pawar.	1,065 10 5	.....	..... A. P.	Anur Singh and others	924 7 0	.....	2 12 1
83	4101	Sonmou, pargana Pawar.	1,682 3 5	.....	Sonmou Khas .. 8 0 Bogara .. 15 5 Ekrahi .. 8 0 Dokaria .. 8 0 Bhulblauh .. 6 3 10 Nookuwo 11 6 4 12 1 4 Dalour Dera .. 16 Mathawlin .. 16 Aragi English .. 16 Monsamo Kanukul Singh Badshah .. 16	Lalu Singh and others	1,017 13 11	.....	36 7 11
84	4104	Basand, pargana Piro.	1,390 0 6	Whole ..	.....	Pabu Dharam Coomar Singh and others.	.....	143 0 0	.....
85	4292	Domanahira, pargana Piro.	693 6 4	Do. ....	.....	Musammat Lachumai Kuer and others.	.....	221 1 4	.....
86	4123	Kafaria, pargana Piro.	620 7 0	Do. ....	2a. 6p. ....	Sahgram Aodhi ..	90 12 6	12 8 3	.....
87	4302	Machiaon, pargana Piro.	828 0 4	Do. ....	.....	Baj Nath Saha ..	.....	116 12 0	.....
88	4304	Ditto ..	58 0 0	Do. ....	.....	T. Lok. Tewari and others.	.....	2 15 0	.....
89	4382	Passour, pargana Piro.	3,612 0 0	Do. ....	.....	Baj Nath Saha ..	.....	476 0 0	.....
90	4748	Tilhat Bhaur, pargana Piro.	832 13 8	Do. ....	.....	Baj Nath Saha ..	.....	133 11 0	.....
91	4801	Akorse, Dikra, pargana Sasseram.	853 5 4	.....	2a. 6p. .... Sa. 9p. ....	Bakshi Hanoman Prashad, Lakshu Ramyad Singh and others.	133 5 4 466 10 8	.....	3 6 7 16 11 8
92	5064	Bhokari, pargana Sasseram.	531 6 5	.....	Bharadocu .. 8 3	Mahadeo Singh and others.	41 13 5	.....	3 13 6
93	5378	Jaswar, pargana Sasseram.	651 14 0	Whole ..	.....	Musammat Anupa Kuer and others.	.....	55 7 0	.....
94	5360	Jaipur Kalam Awa, pargana Sasseram.	1,813 5 4	Do. ....	.....	Thakur Dyal Singh and others.	.....	74 2 11	.....
95	5381	Jaipur Kalam Doem, pargana Sasseram.	1,421 5 4	.....	.....	Ramyad Singh and others.	.....	50 14 10	.....
96	5393	Kothi, pargana Sasseram.	746 0 0	Whole ..	.....	Jagdeo Singh and others.	.....	24 7 10	.....
97	5756	Pawani chuk Dond, pargana Sasseram.	3,331 5 8	Do. ....	.....	Musammat Mariam Bibi and others.	.....	1 7 3	.....
98	5901	Sandwar, pargana Sasseram.	801 1 1	.....	2a. 8p. .... 2a. 8p. .... Sa. ....	Shoonongle Singh .. Adnath Singh and others. Rabi Show Duti Singh and others.	133 8 2 183 8 2 207 3 2	.....	0 4 3 50 13 10 10 2 10
99	5910	Sikaria, pargana Sasseram.	531 6 5	.....	.....	.....	.....	.....	.....

Notice.

PURSUANT to the orders of Government, dated the 29th June 1881, particulars of the undernoted items of articles held by the Port Commissioners as Receivers of Wrecks, each article being of value above Rs. 100, are published for general information in accordance with the provisions of section 76, Act VII of 1880 :—

Date.	Recovery No.	Description of articles.	Weight.	Approximate value.	Where recovered.	Where lying.
1892.		<i>Port Approaches.</i>	Cwt. qr. lb.	Rs.		
May 27th...	2	One English anchor with stock ..	37 0 9	450	Fisherman's Point.	Port Commissioners' wreck and anchor yard.
		One chain, 1½" of 28½ fathoms ...	54 2 23			
July 4th...	4	One English anchor ...	9 0 24	120	Budge-Budge	Ditto.
		One chain, 1½" of 30 fathoms ...	14 2 25			
" 18th...	5	One English anchor ...	10 2 11	210	Ditto	Ditto.
		Stock ...	2 2 10			
Nov. 4th ..	6	One chain 1½" of 45 fathoms ...	24 0 22	155	Diamond Harbour	On board <i>Tuleen, A. V.</i>
		One country anchor ...	35 0 0			
	7	Ditto ditto ...	40 0 0	200	Ditto	Ditto.
	8	One Rodger's patent anchor ...	40 0 0	790	Ditto	Ditto.
		One chain 1½" of 58 fathoms ...	118 0 8			
" 18th...	10	One English anchor ...	25 1 2	1,335	Kulpee	Ditto.
		Stock ...	7 0 0			
		One chain 1½" of 131 fathoms ...	235 2 29	235	Do.	Ditto.
	11	One country anchor ...	30 0 0			
		One chain 1½" of 16 fathoms ...	17 1 20	235	Do.	Ditto.
	12	One Rodger's patent anchor ..	40 2 0			
		Stock ...	6 3 0	250	Do.	Ditto.
		One Rodger's patent anchor ...	60 0 0			
Dec. 8th ..	14	One country anchor ..	30 0 0	150	Jellingham	Ditto.

E. J. BEARMONT, Lieut. R.N.M., Asst. Conservator.

Port Commissioners' Office, Calcutta, the 9th December 1892. (844—3)

Statement of the Affairs of the Bank of Bengal for the week ending 27th December 1892.

LIABILITIES.				ASSETS.			
		Rs.	A. P.			Rs.	A. P.
Capital paid-up ...		2,00,00,000	0 0	Government Securities...		51,31,400	0 0
Reserve Fund ...		48,00,000	0 0	Other authorized investments...		61,93,952	4 0
Public Deposits at Head Office ...	Rs. 71,02,936 3 10	1,41,10,165	4 8	Loans on Government and other authorized Securities ...		1,06,68,914	71 3
Ditto ditto at Branches ...	67,07,229 0 10			Accounts of credit on ditto ditto ...		92,98,969	3 2
Other Deposits at Head Office and Branches	5,47,41,121 0 9			Bills discounted and purchased ...		2,50,15,711	3 9
Bank Post Bills, &c. ...	2,86,778 2 8			Balances with other Banks ...		10,75,391	11 10
Sundries ...	32,93,260 10 8			Bullion ...		32 297	9 0
				Dead Stock ...		12,38,254	10 1
				Stamps ...		9,659	7 3
				Sundries ...		18,00,000	3 10
						6,07,71,471	6 2
				Cash & Currency Notes at Head Office ...	Rs. 1,14,68,514 7 4	3,61,59,857	5 7
				Cash & Currency Notes at Branches...	2,49,71,342 14 3		
Rupees ...	9,72,31,329 11 9			Rupees ...	9,72,31,328 11 9		

BANK OF BENGAL,  
Calcutta, 29th December 1892

E. J. BIRCH, Offg. Chief Acctt.  
Rate for Demand Loans 5 per cent.  
Percentage 50 3.

By order of the Directors,  
W. D. CRICKMARE,  
Secretary and Treasurer.  
(906—1)

**Oudh Forest Department.****BAHRAMGHAT DEPOT.****ON THE OUDH AND ROHILKHAND RAILWAY.**

**FROM** this date the prices of all beams and scantlings supplied from this depot will be as follows:—

**BEAMS.**—21 feet length, at Rs. 2-10 per cubic foot.

22	"	"	2-12	"
23	"	"	2-14	"
24	"	"	3	"

Above the length given two annas per foot run will be charged. Any inches over the foot will be charged as a foot.

**SCANTLINGS.**—From 12 to 20 feet, at Rs. 2-8 per c. ft.  
Under 12 and over 7 " 2-4 "  
Under 7 feet " 2 "

The above prices are for ordinary building purpose. For *Planking Sleepers*, &c., special rates will be fixed by agreement.

The Department will still take orders for buildings all over at Rs. 2-4 per cubic foot, provided the scantlings are taken in fair proportion.

*Second and Third Class Timber* will be sold and price fixed by agreement.

*Auction Sales* will be held from time to time to clear off stock.

For further particulars apply to the Officer in charge By order of the Conservator of Forests, N. W. P. and Oudh, Oudh Circle.

KANHYA LAL,

Sub-Assistant Conservator of Forests  
Bahramghat Division.

Bahramghat, the 1st April 1886.

### Reduction in the Price of the Pure Sulphate of Quinine.

MANUFACTURED AT THE BENGAL GOVERNMENT CINCHONA PLANTATION.

**ON** and after 1st April 1891 the price of this quinine will be as follows:—

1	Pound tin	Rs. 16.	or, post free, Rs. 16-12
$\frac{1}{2}$	"	"	8 " " " 8-8.
$\frac{1}{4}$	"	"	4 " " " 4-8.

Analysis shows this quinine to be of the purest manufacture, and it is guaranteed to be free from wilful mixture with the inferior alkaloids, Cinchonine and Cinchonidine. It is for sale only to Government officers, and only for cash, and may be had from the Superintendent, Botanic Garden, Sibpur, near Calcutta. It can be had either white or coloured pink.

### Reduction in price of Cinchona Febrifuge.

**FROM** 1st April 1891, and until further orders. Cinchona Febrifuge can be purchased by all Government officers and by any one taking *ten pounds* at a time, from the Superintendent, Botanic Garden, Calcutta, at the following rates. Four ounce tin Rs. 2-8, eight ounce tin Rs. 5; one pound tin Rs. 10. The general public can be supplied by the Superintendent, Botanic Garden, for cash only at the undernoted rates:—Per four ounce tin Rs. 3; per eight ounce tin Rs. 6; per pound tin Rs. 12. This medicine is also sold by the principal European and Native druggists in Calcutta. Postage four annas per 4 ounce tin, eight annas per 8 ounce tin, and twelve annas per pound tin, in addition to the foregoing rates.

### Caution.

Estate Raja Barada Kanto Roy, late of Chanchra, in the district of Jossore, deceased.

**THE** public are hereby informed that the above-named Raja died indebted to Babu Ram Tarun Chatterjee, of No. 66, College Street, Calcutta, in the sum of Rupees fifteen thousand secured by a registered bond executed in his favour by the said Raja, and bearing interest at the rate of 12 per cent. per annum payable out of the zamindari of the said Raja, named pargana Shahosh, which sum still remains unpaid and is repayable out of the estate of the said Raja.

Any one purchasing or otherwise dealing with the said estate shall do so subject to this notice.

RAM TARUN CHATTERJEE, by his Attorney Anchoy Kumar Chatterjee,  
66, College Street, Calcutta. (861—3)

**Currency Notes.**

**THE** following Currency Notes of the Calcutta Circle are stated to have been destroyed, and payment of their value has been claimed by the persons whose names are placed against the numbers. Any other person claiming a right to them is warned to communicate at once with the undersigned:—

**Notes destroyed.**

Register number.	Number of notes.	Value.	Name of claimant.
1154 of '92-93	V 13 90039	Rs. 100	Babu Preonath Chakravarti, care of Babu Shama Charan Chakravarti, Pleader, Judge's Court, Alipore.
	1 13632	20	
	1 78147	10	

H. WARRINGTON, Assistant Comptroller-General,  
In charge Paper Currency.

Paper Currency Department, the 18th December 1892.

**SURESH CHANDRA BASU**, B.L., intends to apply for enrolment as Vakil of the High Court.

(860—4)

**DASA RATHI SAN'AL**, B.L., intends to be enrolled as a vakool of the High Court.

(861—4)

**Notification.**

**THE** public are hereby informed that the zamindari dak cess on estates paying revenue upwards of Rs. 50 in the district of Khulna has been fixed at 10 per cent. for the year 1893-94.

2. The cess is payable in two instalments, viz., within 15th April and 15th October.

ANDRÉ KHALIQUE, Deputy Magistrate in charge.  
Khulna Magistrate's Office, the 19th December 1892.

**Notification.**

**THE** zamindari dak tax in the district of Saran for the year 1893-94 is fixed at the rate of 12 annas per cent. per annum on the sadar jama of estates paying a revenue amounting to Rs. 50 (fifty) and over. The amount due for each estate is payable in two instalments, the first being due on the 28th March 1893 and the second on the 28th September 1893.

M. SEBAJUL H. Q., for Offg. Magistrate.  
Saran Magistracy, the 16th December 1892.

**FALAKATA FAIR.****Notice.**

**THE** public are hereby informed that a "Fair" will be held at Falakata in the sub-division of Alipore, Western Duars, district Jalpaguri. The Fair will commence on January 22nd, 1893 (A.D.), corresponding with 10th Magh (209 B.S.), and will continue up to February 6th, 1893. Tradesmen, dealers and others may buy and sell there during this time. Blankets and cloth of sorts, wool, ivory, rhinoceri horns, yak tails, musk, honey, wax, lac, ponies, and various other articles from Bhutan and Tibet; and also tea, paddy, rice, tobacco, jute, mustard-seed, cotton and other crops which are grown in the Western Duars, will be available at the Fair. Falakata is situated on the river Moajanai, very conveniently for river traffic from East Bengal, viz., Dacca, Goalundo, Serajganj, Manikganj, etc., and within easy reach of Jalpaguri and Kuch Bihar. A good cart and driving road exist all the way. Arrangements for good drinking water and for comfort of strangers, traders and shopkeepers, and special police arrangements for safety of property and goods, exist. Booths are also erected at Government expense for accommodating shops.

W. H. W. MACKENZIE, Sub-divisional Officer,  
Alipore Duars, the 7th December 1892.

## ALIPORE FAIR.

## Notice.

THE public are hereby informed that a "Fair" will be held at Alipore, in the sub-division of Alipore, Western Duars, district Jalpaiguri. The Fair will commence on 10th January 1893 (A.D.), corresponding with 27th Pous 1299 (B.S.), and will continue up to 24th January 1893. Tradesmen, dealers and others may buy and sell there during this time. Blankets and cloth of worts, wool, ivory, rhinoceri horns, yak tails, musk, honey wax, lac, ponies, and various other articles from Bhutan and Thibet; and also tea, paddy, rice, tobacco, jute, mustard-seed, cotton and other crops which are grown in the Western Duars, will be available at the Fair. Alipore is just 11 miles from Kuch Bihar, and within easy reach of Jalpaiguri and Kuch Bihar. A good cart and driving road exists all the way. Arrangements for good drinking water and for comfort of strangers will be made. The mela will be held on high ground situate just on a good stream known as the Kaljani river. Houses, etc., will be supplied at Government expense. Police and Government officers will see to the comfort and protection of all strangers attending the Fair.

W. H. W. MACKENZIE, Sub-divisional Officer,  
Alipore Duars.

Alipore Duars, the 6th December 1892.

## Road Cess Notification.

## DISTRICT BOGRA.

IT is hereby notified for general information that, under section 46, Act III (B.C.) of 1885, and section 33, Act IX (B.C.) of 1890, the District Board of Bogra have, on the 12th December 1892, determined that the road cess in the district for the cess year 1893-94 (from 1st April 1893 to 31st March 1894) shall be levied at the maximum rate, viz., one-half anna on each rupee of the annual value and annual net profits as described in section 6, Act IX (B.C.) of 1890.

UMES CHANDRA BANERJEE, Vice-Chairman,  
Bogra, the 13th December 1892.

## Road Cess Notification.

AT a special meeting held on the 12th October 1892, the Pabna District Board have determined that road cess in that district for the cess year 1893-94 shall be levied at the maximum rate, viz., one-half anna on each rupee of the annual value of lands, &c., as enumerated in section 6 of the Cess Act.

G. K. DEB, Chairman,  
Pabna, the 28th December 1892.

## Notification

## In re MOORABY ENDOWMENT FUND.

UNDER the orders of the District Judge of Jessore, dated the 13th December 1892, Babu Sukhamoy Das Gupta is appointed one of the three members of the Mooraby Endowment Fund Committee in the place of Babu Rai Nih Ratan, deceased. He will act in concert with the other two members, Babus Kali Nath Mukherjee and Sital Chandra Dhar.

J. KNOX-WRIGHT, District Judge, Jessore.  
Jessore Judge's Office, the 30th December 1892.

(908-1)

THE Superintendent, Calcutta Survey, under section 20 of Act I (B.C.) of 1887, hereby notifies that the map comprising Block XI, South Division, Calcutta, with documents, has been forwarded to the Chairman of the Municipal Office of the Corporation of Calcutta, and will remain on view in the Office of the Municipality for two months. Persons interested in the survey are invited to inspect the map and documents and to state their objections in writing to the Superintendent, Calcutta Survey.

W. H. WILKINS, COL., &c.,  
Superintendent, Calcutta Survey.  
Dated Calcutta, the 30th December 1892.

## INSOLVENT NOTICES.

## In the Court for the Relief of Insolvent Debtors at Calcutta.

In the matter of PAMNA LALL ADDY, an insolvent.

On Monday, the 12th day of December instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of February next, and that the said insolvent do then attend to be examined before the said Court.

Shamul Dhone Dutt, Attorney. (875-2)

In the matter of DEOKRENDUN, an insolvent.

On Monday, the 19th day of December instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of February next, and that the said insolvent do then attend to be examined before the said Court.

Insolvent in person. (876-2)

In the matter of URGHOY GOOMAR Dey, an insolvent.

On Saturday, the 17th day of December instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of February next, and that the said insolvent do then attend to be examined before the said Court.

Insolvent in person. (877-2)

In the matter of FREDERICK D'SILVA, an insolvent.

On Monday, the 5th day of December instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of February next, and that the said insolvent do then attend to be examined before the said Court.

Insolvent in person. (878-2)

In the matter of JODOO MAJEE, an insolvent.

On Saturday, the 10th day of December instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of February next, and that the said insolvent do then attend to be examined before the said Court.

Insolvent in person. (879-2)

In the matter of SHAIKH NUBER BEG KUNSAMAH, an insolvent.

On Friday, the 9th day of December instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of February next, and that the said insolvent do then attend to be examined before the said Court.

Insolvent in person. (880-2)

In the matter of JACOB ABRAHAM COHEN, an insolvent.

On Tuesday, the 8th day of December instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of February next, and that the said insolvent do then attend to be examined before the said Court.

E. J. Fink, Attorney. (881-2)

In the matter of KALLY CHURN GHOSH, an insolvent.

On Monday, the 28th day of November last, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of February next, and that the said insolvent do then attend to be examined before the said Court.

N. C. Bose, Attorney. (882-2)

In the matter of KESUM KUMAR BANERJEE, an insolvent.

On Tuesday, the 2nd day of December instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of February next, and that the said insolvent do then attend to be examined before the said Court.

Insolvent in person. (883-2)

In the matter of TORIBETH MULLICK and HARAN MULLICK, insolvents.

On Saturday, the 6th day of August last, it was ordered that Saturday, the 4th day of February next, be appointed for the further hearing of this matter, and that unless cause be shown to the contrary on that day, the said Haran Mullick one of the abovenamed insolvents, be discharged personally as well as to his after acquired property from all liabilities for debts, claims and demands of and against the said insolvent Haran Mullick at the time of the filing of his petition for relief.

S. J. Leslie and Son, Attorneys. (886-2)  
Chief Clerk's Office, the 22nd day of Dec. 1892.



## INSOLVENT ESTATES.

QUARTERLY STATEMENT MADE UP TO 30TH JUNE 1892

ESTATES.	Whole amount of receipts.	WHOLE DISBURSEMENTS.		Balance.	Portion of balance applicable to dividends now payable.	Net balance.	Probable outturn of the dependences.
		Dividends paid.	Other payments.				
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Alexander and Co.	2,91,087 1 9	2,32,420 2 7	48,899 13 8	9,767 1 6	8,962 6 4	804 11 2	Nothing further recoverable.
Adam, Scott and Co.	1,31,609 5 4	1,06,547 3 0	23,086 5 1	1,975 12 3	1,109 15 0	565 13 3	Ditto.
Allen, Deffell and Co.	1,67,553 10 4	1,26,063 13 5	30,521 2 3	968 10 8	946 1 5	22 9 3	Ditto.
Anderson and Co., William	2,678 8 1	.....	1,845 4 3	833 3 10	625 11 6	207 8 4	Ditto.
Asiatic Marine Insurance Office	8,40,361 11 1	6,92,443 5 11	1,38,990 12 9	8,927 8 5	8,621 4 0	306 4 5	Ditto.
Alexander, Wallace and Co.	24,142 11 7	16,356 2 7	6,404 3 1	1,382 5 1	1,263 10 4	113 11 7	Ditto.
Anstruthers and Co.	17,005 3 3	7,368 11 6	3,747 4 1	5,591 2 5	5,496 3 11	394 15 9	Ditto.
Anderson, George	1,806 12 6	.....	953 9 3	853 3 3	733 0 2	120 3 1	Ditto.
Atkinson, W. L.	17,234 12 6	5,403 0 9	8,863 2 11	2,938 9 1	2,285 9 1	653 0 0	Ditto.
Arrakiel, J. G.	1,024 5 6	52 6 1	394 15 9	576 15 8	129 2 7	447 13 1	Ditto.
Audhor Chunder Shaw	18,549 9 11	8,134 4 9	8,242 15 4	2,472 5 10	1,207 3 3	1,265 2 7	Ditto.
Ayob Hadjee Abdool Rohomon	11,461 10 8	7,359 6 6	2,988 9 11	1,413 9 10	1,299 3 10	114 6 0	Ditto.
Anundo Mohun Dutt and another	3,739 2 3	421 1 1	2,501 14 2	816 3 0	503 11 5	312 7 7	Ditto.
Arrathoon, O. M. (M. J. Galstaun and Co.)	11,736 3 0	9,274 2 5	1,573 4 6	588 12 1	582 14 4	5 13 9	Ditto.
Amerto Krishna Bose	2,801 11 0	1,395 1 11	1,06 4 3	1,397 4 10	524 11 6	872 9 4	Outstanding : in course of recovery.
Anderson, G. (2nd)	4,963 9 4	1,357 3 7	1,457 6 9	2,148 15 0	40 0 0	2,108 15 0	Nothing further recoverable.
Andrews, J.	1,939 8 5	950 10 0	348 5 8	640 8 9	45 3 3	695 5 6	Ditto.
Albertino Caesar (F. Acerboni and Co.)	18,592 7 8	10,642 0 8	1,920 3 10	6,430 3 2	1,263 4 8	5,166 14 6	Outstanding : in course of recovery.
Adam Ahmed	7,530 1 7	919 0 10	1,034 0 11	5,546 15 10	4,113 5 1	1,433 10 9	Ditto.
Amur Singh (2nd)	997 7 9	108 11 9	18 3 11	870 8 1	.....	870 8 1	Ditto.
Balfour and Co.	5,61,316 3 6	3,04,469 3 4	2,55,181 14 1	1,665 2 1	713 10 2	951 7 11	Nothing further recoverable.
Bryd and Co.	80,673 14 8	10,778 10 4	13,425 1 11	6,475 2 0	6,364 3 4	110 14 8	Ditto.
Bruce, Shand and Co.	8,36,536 3 5	4,96,777 1 0	3,32,316 3 0	7,442 15 5	6,618 1 2	824 14 3	Ditto.
Bischoff, Beer and Co.	2,640 5 8	13 11 6	2,107 13 5	513 12 9	449 13 5	63 15 4	Ditto.
Bodry, John (1st)	1,705 7 1	79 1 11	647 6 0	1,078 15 2	582 1 8	496 13 6	Ditto.
Buett, James	873 0 0	40 0 11	164 14 1	668 1 0	610 0 11	58 0 1	Ditto.
Bhoobun Mohun Mitter	4,000 0 0	.....	2,163 7 9	1,836 8 3	1,794 12 6	41 11 9	Ditto.
Baboo Lal Shaw and others	1,35,530 2 7	67,983 0 10	30,736 10 9	16,810 7 0	16,562 15 0	247 8 0	Ditto.
Buldeo Doss (Buldeo Doss Chuttoo-bhoj)	8,802 3 1	1,424 5 4	985 1 6	1,392 12 3	1,386 12 11	6 15 4	Ditto.
Bore Mull Gondaka	16,319 3 6	11,202 10 2	3,223 1 6	1,890 7 10	1,760 10 11	129 12 11	Ditto.

Brunet, Salis, and Lalapoo	15,235	0	0	8,047	9	5	5,625	0	5	1,562	6	2	1,445	10	8	116	11	6	Ditto	ditto.
Brindaban Chunder Sett	4,308	0	8	1,983	7	8	1,498	4	11	824	3	8	.....	.....	.....	824	3	8	Ditto	ditto.
Bagott, W. N.	4,149	4	9	49	3	7	3,498	4	2	601	13	0	392	4	5	209	8	7	Ditto	ditto.
Bodry, John (3rd)	4,425	4	6	1,112	3	5	2,384	6	10	928	10	8	642	13	0	285	13	8	Ditto	ditto.
Belletty, M.	1,680	0	0	1,024	13	10	116	13	10	538	4	4	370	9	10	167	10	6	Ditto	ditto.
Bungsee Dhur Khettry and others (Nan- no Mull Khettry).	1,04,279	10	2	76,579	7	0	10,555	1	2	10,845	2	0	10,363	10	4	481	7	8	Ditto	ditto.
Bhoobun Mohun Bannerjee and another	1,58,927	12	8	36,465	9	4	1,16,176	2	5	6,286	0	11	4,938	12	0	1,347	4	11	Ditto	ditto.
Beer Chand Coondoo and another	2,201	8	3	612	5	2	946	8	9	612	10	4	590	9	7	23	0	9	Ditto	ditto.
Bhola Nauth Dass	8,100	0	0	29	11	2	2,449	11	7	620	9	8	524	5	11	96	3	4	Ditto	ditto.
Brewster, C. C., and W. Nicholl (Wilson, Mackenzie and Co.)	791	0	10	.....	.....	.....	.....	.....	.....	794	0	10	.....	.....	.....	794	0	10	Schedule not filed as yet.	
Baker, F. W., separate account	2,387	15	3	1,010	14	10	123	9	0	1,203	7	5	1,157	14	6	45	8	11	Nothing further recoverable.	
Bheekun Chand Batty	1,452	6	4	857	10	8	74	6	5	520	5	3	286	10	5	233	10	10	Ditto	ditto.
Buddree Dass	813	14	6	.....	.....	.....	136	2	8	677	12	3	.....	.....	.....	677	12	3	Ditto	ditto.
Banaroff, C. C.	4,226	13	6	.....	.....	.....	1,575	6	0	2,351	7	6	.....	.....	.....	2,351	7	6	Ditto	ditto.
Colvin and Co.	1,84,427	8	8	1,36,470	10	10	31,296	10	8	16,660	3	2	16,586	15	0	73	4	2	Ditto	ditto.
Cruttenden, Mackillop and Co.	99,959	11	1	72,895	6	5	20,263	11	4	6,800	9	4	5,743	13	4	1,056	12	0	Ditto	ditto.
Cockrell and Co.	17,19,733	5	0	3,86,102	12	10	13,26,584	4	11	7,046	3	3	6,701	5	10	344	13	5	Ditto	ditto.
Cannyloil Bural and another	21,208	5	11	17,472	10	1	2,990	11	5	745	0	5	632	14	3	112	2	2	Ditto	ditto.
Crompton, G. F.	5,413	5	4	2,747	14	3	2,124	12	6	540	10	7	487	13	3	52	13	4	Ditto	ditto.
Cannynam, Chooneeloll	9,623	9	3	5,676	2	8	2,212	5	4	1,735	1	8	1,523	9	7	211	7	8	Ditto	ditto.
Charles Nephew and Co.	5,15,143	12	9	3,99,340	6	4	98,146	12	9	17,656	9	9	15,958	7	10	1,693	1	11	Ditto	ditto.
Castello, M. G.	3,201	7	9	2,227	5	6	264	10	2	709	8	1	372	14	8	386	9	10	Ditto	ditto.
Carr, Robert	11,349	3	8	9,779	11	7	966	1	8	603	6	5	603	6	5	.....	.....	.....	Ditto	ditto.
Child, W. C.	22,090	10	0	16,599	6	0	4,704	11	10	786	8	2	691	4	8	95	8	6	Ditto	ditto.
Cantopher, Robert	907	10	6	196	15	8	167	15	9	542	11	1	542	11	1	.....	.....	.....	Ditto	ditto.
Christophoridi, C.	5,587	13	2	4,009	9	3	697	9	10	880	9	1	787	10	5	92	14	8	Ditto	ditto.
Cole, George (Perry and Co.)	3,018	10	4	1,310	12	1	930	15	1	776	15	2	770	12	4	6	2	10	Ditto	ditto.
Cowie, David and another (Colvin, Cowie and Co.)	1,62,966	8	11	91,361	7	1	63,423	5	4	8,131	12	6	6,989	14	6	1,191	14	0	Ditto	ditto.
Colville, Gilmore and Co.	9,743	1	1	2,535	0	0	3,511	6	3	3,696	10	10	.....	.....	.....	3,696	10	10	Ditto	ditto.
Chuttollal Sewpersand	43,048	11	0	.....	.....	.....	18,966	4	5	24,052	6	7	18,514	14	6	5,567	8	1	Ditto	ditto.
Canti, G. A.	3,567	10	8	849	7	7	1,092	4	4	1,625	14	9	833	3	11	1,242	10	10	Ditto	ditto.
Cohen, S. E., and E. E. Cohen	1,806	3	0	280	1	10	1,012	9	4	513	7	10	317	12	5	195	11	5	Ditto	ditto.
Chunder Canto Shaw	48,972	1	6	6,315	7	7	36,801	13	0	854	12	11	825	3	5	29	9	6	Ditto	ditto.
Coleman, C.	1,716	8	0	986	7	5	119	3	2	610	13	5	610	13	5	.....	.....	.....	Ditto	ditto.
Coverjee Romanjee	985	6	6	156	10	6	59	6	8	769	5	4	691	3	7	78	1	9	Ditto	ditto.
Collins, W. R.	2,581	6	8	.....	.....	.....	.....	.....	.....	2,581	6	8	.....	.....	.....	2,581	6	8	Ditto	ditto.
Clark, A. M. (J. H. Fergusson and Co.)	23,174	8	2	12,913	0	9	7,606	1	11	2,555	5	6	1,482	12	5	1,173	9	1	Ditto	ditto.
Dickson, William	1,843	0	2	1,039	2	3	241	14	0	561	15	11	506	13	8	55	2	3	Ditto	ditto.
Dove, J. M.	12,991	0	0	10,202	12	8	2,214	0	8	574	2	8	316	11	4	257	7	4	Ditto	ditto.

ESTATES.	Whole amount of receipts.		WHOLE DISBURSEMENTS.		Balance.	Portion of balance applicable to dividends now payable.		Net balance.	Probable outturn of the dependencies.
	Rs.	A. P.	Rs.	A. P.		Rs.	A. P.		
Dorrett Brothers	2,164	9 6	34	7 7	724	15 1	660	0 5	Nothing further recoverable.
DeSilva, John Emanuel	13,643	11 3	11,131	11 5	1,660	7 1	1,346	7 2	Ditto.
DeScuza, John	1,334	0 3	.....	.....	528	7 3	.....	.....	Ditto.
Dumat, Alfred	6,224	5 6	1,051	12 9	8,149	5 4	2,815	3 0	Ditto.
Durrant, Edward	2,228	1 6	816	5 4	516	3 9	479	10 8	Ditto.
Dennison, G. R.	29,828	14 7	26,967	6 10	1,254	1 5	787	0 0	Ditto.
Duff, David	2,187	12 9	1,041	8 5	2,098	4 7	483	9 4	Ditto.
Denonauth Dev	12,218	11 11	7,804	8 7	2,098	13 0	1,631	1 4	Ditto.
Purka Nath Mitter	5,938	12 0	731	10 10	505	3 9	447	8 9	Ditto.
Dencnauth Paul	834	4 3	.....	.....	714	7 6	.....	.....	Ditto.
Damoodar Doss	4,018	15 9	1,715	1 4	1,303	15 11	1,160	13 4	Ditto.
Debruner, Julius	65,912	4 7	58,106	7 4	617	11 8	491	5 3	Ditto.
Doyal Chand Pyne and others	54,590	3 0	174	8 0	2,305	0 7	.....	.....	Ditto.
Dawood Khan Esabioy	1,797	8 9	52,107	10 5	527	6 10	130	5 0	Ditto.
Debnarain Bysack and another	5,691	14 6	3,357	2 7	897	7 4	887	7 4	Ditto.
DeSilva, E. A.	8,826	4 3	6,195	8 10	717	8 8	716	0 5	Ditto.
Dawson, C. S.	2,920	7 9	821	7 2	1,590	13 2	421	2 8	Ditto.
Ewing, Aird and Anderson	3,113,323	1 8	59,611	6 10	9,678	11 1	8,516	3 7	Outstanding : in course of recovery.
Elias, M. B.	7,233	13 6	3,428	10 7	2,541	3 1	2,218	0 3	Nothing further recoverable.
Espino, Manuel Del	3,800	1 3	1,419	8 11	1,052	1 5	985	15 7	Ditto.
Eagleton, F. A.	3,653	3 6	72	11 2	739	4 0	446	0 1	Ditto.
Emmett and Chambers	23,491	8 3	7,305	15 2	3,230	11 2	681	13 8	Ditto.
Emile Hadjee Abdool Kurrim & another	2,757	13 3	1,167	15 9	547	10 10	476	9 9	Ditto.
Edmands, T. S. (Edmands Brothers)	21,720	9 3	19,003	7 0	573	2 7	231	14 0	Ditto.
Ferguson and Co.	1,96,005	7 4	1,48,658	6 2	14,254	9 4	11,828	3 11	Ditto.
Fergusson Brothers	1,47,924	5 4	64,687	12 4	4,172	9 10	3,761	0 8	Ditto.
Foster, Rogers and Co.	6,376	9 10	857	3 7	3,224	14 4	2,542	11 8	Ditto.
Fabian, E. D.	776	10 0	263	3 3	513	6 9	.....	.....	Ditto.
Ferrie, G. R.	2,650	0 0	67	7 6	1,769	6 3	1,292	1 6	Ditto.
Fanchaw, R. F.	876	0 10	176	8 6	692	9 3	425	4 7	Ditto.
Fernaro, C. (Fernaro and Hnni)	27,288	4 3	17,881	1 4	905	3 4	451	7 0	Ditto.
Forbes, H. F.	3,000	0 0	497	8 0	1,233	8 5	21	8 0	Ditto.
Freck, D.	504	10 6	.....	.....	504	10 6	.....	.....	Ditto.
Filmour and Co.	47,267	5 4	23,156	11 8	4,362	15 1	.....	.....	Ditto.

Griffiths, Curtis and Co.	49,784	9	8	28,262	15	3	19,201	1	0	7,320	9	5	6,991	13	5	328	12	0	Ditto	ditto.
Gordon, Stewart and Co.	78,183	10	4	89,924	6	8	85,569	12	4	2,690	7	4	2,692	0	10	58	6	6	Ditto	ditto.
Gubboy, A. J.	9,055	7	0	6,088	9	2	2,075	4	0	891	9	10	585	5	11	326	8	11	Ditto	ditto.
Gocool Dass Soonderjee	18,266	14	1	11,879	7	1	5,750	12	11	626	10	1	584	4	8	42	5	5	Ditto	ditto.
Golaub Chand Hemchand	1,586	2	0	.....	.....	.....	200	9	0	1,385	9	0	.....	.....	.....	1,385	9	0	Ditto	ditto.
Gordon, G. J.	570	0	0	.....	.....	.....	48	5	0	521	11	0	493	13	11	27	13	1	Ditto	ditto.
Goberdhone Mullick	2,880	14	9	1,371	10	5	963	12	4	545	8	0	478	12	3	71	11	9	Ditto	ditto.
Golam Hossain Verjee	1,26,756	14	4	40,928	6	8	85,314	2	4	614	5	4	318	1	0	198	4	4	Ditto	ditto.
Ghose and Co., R. G.	29,911	1	2	21,218	2	4	7,954	3	8	733	11	2	536	2	0	202	9	2	Ditto	ditto.
Gregory, M.	17,156	2	5	12,174	13	6	4,154	14	4	856	6	7	717	5	5	139	1	2	Ditto	ditto.
Ghaseeram	88,950	5	10	10,535	5	6	25,967	15	3	1,847	1	1	1,231	11	2	615	5	11	Ditto	ditto.
Gasper, N. M.	7,010	0	9	4,572	0	8	657	12	0	1,400	4	1	1,188	9	1	291	11	0	Ditto	ditto.
Gilmour, J. A. G.	512	8	0	.....	.....	.....	.....	.....	.....	512	8	0	.....	.....	.....	512	8	0	Ditto	ditto.
Gubboy, E. S.	53,783	3	0	16,747	9	8	36,070	3	1	965	6	3	862	4	9	103	1	6	Ditto	ditto.
Greedhurryloll Kannylall	25,979	10	1	10,669	2	8	3,276	10	7	12,034	12	10	10,837	9	3	1,197	3	7	Ditto	ditto.
Gopaul Chunder Bose	3,891	0	0	2,267	1	4	876	10	0	747	4	8	535	8	6	211	12	2	Ditto	ditto.
Gobin Chand Setaub Chand (Nunsee Indrochand).	1,07,816	2	7	59,273	5	6	41,061	15	9	7,480	13	4	7,325	3	2	155	10	3	Ditto	ditto.
Gra, W., and another (Robert and Charrin).	3,14,768	4	0	2,07,802	0	4	42,148	3	10	64,817	15	10	56,362	14	7	8,455	1	3	Ditto	ditto.
Grish Chunder Marriek and others	13,956	0	5	5,542	4	6	5,491	2	2	2,932	9	9	2,053	4	3	879	5	6	Ditto	ditto.
Gopaul Chunder Raye	2,834	15	3	1,516	0	3	813	12	3	505	2	9	505	2	9	.....	.....	.....	Ditto	ditto.
Gopaul Chunder Shaw	25,446	12	9	14,914	4	3	9,506	4	0	726	4	6	308	4	3	418	0	3	Ditto	ditto.
Greedharse Lal Sakhn and Cally Churn Sakhn.	6,232	6	0	357	3	1	4,736	9	2	1,138	9	9	417	7	8	721	2	1	Ditto	ditto.
Gosto Behary Seal	17,239	14	3	.....	.....	.....	262	14	8	16,976	15	7	.....	.....	.....	16,976	15	7	Ditto	ditto.
Gopee Caunto Sein	956	14	1	.....	.....	.....	358	6	0	628	8	1	.....	.....	.....	628	8	1	Ditto	ditto.
Gobindram and another	7,414	13	3	1,526	7	3	1,895	6	5	3,992	15	7	3,265	4	0	727	11	7	Ditto	ditto.
Hurry, W. C.	2,763	9	2	.....	.....	.....	1,937	14	8	825	10	6	.....	.....	.....	825	10	6	Ditto	ditto.
Hoffman and Co.	25,170	12	7	6,933	13	3	17,650	8	0	586	7	2	356	3	4	230	3	10	Ditto	ditto.
Hughesdon Brothers	2,44,226	5	7	39,290	4	8	2,04,248	18	9	687	3	2	542	5	9	144	13	5	Ditto	ditto.
Hudson, Nathaniel	2,225	11	3	655	5	6	481	2	1	1,109	3	8	936	15	2	172	4	6	Ditto	ditto.
Hoffe, William	1,348	8	6	2	0	0	672	1	1	672	7	5	613	3	1	59	4	4	Ditto	ditto.
Hufnagle and Co., Charles	1,320	4	7	74	9	3	342	4	1	903	7	3	821	11	2	81	12	1	Ditto	ditto.
Heeralall Hunnomontoram	752	14	3	.....	.....	.....	61	0	0	691	14	3	.....	.....	.....	691	14	3	Ditto	ditto.
Heliway, William	1,055	11	11	76	8	8	324	8	7	654	10	8	614	10	6	40	0	2	Ditto	ditto.
Honigberger, William	1,001	5	6	.....	.....	.....	314	0	0	657	5	6	.....	.....	.....	657	5	6	Schedule not filed as yet.	
Haulon, E.	2,069	9	0	100	13	4	1,123	7	9	846	8	11	777	2	4	69	1	7	Nothing further recoverable.	
Howard Brothers	10,421	9	10	6,168	12	7	3,394	13	6	857	15	9	630	5	0	227	10	9	Ditto	ditto.
Hill, James (Barham, Hill and Co.)	32,114	9	9	17,374	4	0	10,861	5	8	3,879	0	1	3,489	8	4	389	7	9	Ditto	ditto.
Henry Narain Khettry	10,178	5	9	4,200	9	3	3,505	13	1	2,159	15	5	2,095	4	6	64	10	11	Ditto	ditto.
Huckling and Co., B. H.	4,872	5	3	2,018	15	3	1,846	12	9	1,006	9	8	939	13	7	66	11	8	Ditto	ditto.
Finckhison, J. H. (L. W. Toulmin & Co.)	4,043	11	4	2,036	15	8	507	9	0	1,490	2	8	1,442	7	11	56	10	9	Ditto	ditto.
Heeralall (Munnoolall Heeralall)	19,704	0	3	8,519	10	5	7,117	2	10	4,067	3	0	4,061	10	7	5	8	5	Ditto	ditto.
Hubbard, C. E.	4,154	2	8	2,265	9	3	698	0	2	1,190	9	3	1,190	9	3	.....	.....	.....	Ditto	ditto.

ESTATES.	Whole amount of receipts.			WHOLE DISBURSEMENTS.			Balance.			Portion of balance applicable to dividends now payable.			Net balance.			Probable outturn of the dependencies.
				Dividends paid.		Other payments.										
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
Heralall Dodooriah	2,965	14	3	1,498	4	4	857	4	10	1,110	5	1	395	1	10	Nothing further recoverable.
Hay, William (Stuart & Co.)	1,199	10	3	.....	.....	.....	1,002	3	9	997	6	6	.....	.....	.....	ditto.
Heeranund (Buddermull Heeranund)	1,212	15	3	447	15	1	88	2	1	676	14	1	602	3	11	ditto.
Hadijee Heednatoolah and others	1,22,890	15	6	87,186	10	8	758	7	10	18,945	13	0	3,762	15	0	ditto.
Hurro Nauth Mezoondar and others	7,700	0	0	3,219	1	6	2,306	7	5	2,174	7	1	2,174	7	1	ditto.
Hurruck Chand and Johoor Mull (Kun- nyalall Hurruck Chand).	12,671	6	0	10,651	15	0	753	15	4	1,265	7	8	787	12	4	ditto.
Hadijee Noormahamed Jakariah	86,540	7	1	732	7	9	37,003	10	4	47,804	5	0	.....	.....	.....	Outstanding: in course of recovery.
Heins, W. G. (C. Gould and Co.)	12,302	1	5	5,760	8	9	3,694	4	1	2,857	4	7	2,306	5	5	Nothing further recoverable.
Hurruundo Roy Lutchemanaran	2,059	3	9	.....	.....	.....	10	6	11	2,048	12	10	.....	.....	.....	Outstanding: in course of recovery.
Issur Chunder Mill	8,546	1	6	606	12	3	6,149	15	6	1,889	5	9	1,864	3	8	Nothing further recoverable.
Issur Chunder Sein	12,002	4	9	5,835	13	1	5,559	6	6	577	1	2	568	7	8	ditto.
Issur Chunder Sein and another	631	14	9	.....	.....	.....	59	12	8	572	2	1	530	14	7	ditto.
Jansen & Co., J.	20,002	10	9	189	11	5	15,872	5	0	3,990	10	4	3,768	5	1	Nothing further recoverable.
Juggeshur Laha	84,888	4	1	16,701	4	2	15,519	2	4	2,167	13	7	1,351	6	1	ditto.
Jadub Chunder Seal	2,094	6	7	374	1	10	807	2	9	813	2	0	680	12	9	ditto.
Jordan, J. S.	5,376	8	0	3,582	9	6	984	15	5	808	15	1	545	0	7	ditto.
Juggenprosaud	960	8	9	.....	.....	.....	223	9	0	736	15	9	.....	.....	.....	ditto.
Jacob, Charles	933	8	0	.....	.....	.....	415	13	4	517	10	8	454	6	7	ditto.
Judah, J. E.	2,186	15	0	.....	.....	.....	1,450	4	7	736	10	5	643	2	11	ditto.
Johurall Mookim	1,656	0	0	648	15	0	262	4	7	744	12	5	373	13	9	ditto.
Joakim, M. C.	7,754	15	3	4,223	1	1	2,422	12	5	1,108	9	11	833	9	7	ditto.
Joitroup Chooney Lall	8,292	7	2	5,195	5	8	1,951	7	6	1,145	10	0	1,015	8	7	ditto.
Joogole Kisoore Sewlall Futteah Chund	9,544	8	6	5,950	3	1	2,262	11	9	1,331	9	8	1,051	7	2	ditto.
Juggur Nath Khanna	3,00,937	10	0	.....	.....	.....	2,71,249	1	11	29,689	8	1	.....	.....	.....	Outstanding: in course of recovery.
Juggernauth (Juggernauth Moken Lall)	2,714	6	3	.....	.....	.....	626	2	0	2,078	4	3	.....	.....	.....	ditto.
Jogendro Nauth Covar	5,943	0	0	1,391	15	3	3,571	4	3	976	12	6	806	0	9	Nothing further recoverable.
Kemp, H. C. (T. Hyde Gardiner and Co.)	33,765	12	9	27,374	0	2	5,417	5	1	574	7	6	135	0	4	ditto.
Khan Mahomed Dhurumsee	55,247	9	1	33,008	1	8	11,149	7	7	11,089	15	10	1,312	7	6	ditto.
Kissoory Moken Chunder	3,300	0	0	2,025	2	4	269	4	2	1,005	9	6	590	11	9	ditto.
Kissoory Moken Ruckhitt	9,405	15	3	5,247	4	1	3,599	8	3	559	2	11	451	9	2	ditto.
Kally Dass Dass and others	73,719	13	5	20,355	13	6	46,590	9	6	6,543	6	11	8,443	3	8	ditto.
Kullianjee Soonderjee (Soonderjee, Walljee and Co.)	12,444	6	0	2,351	3	3	6,936	8	0	3,156	10	9	3,093	13	10	ditto.
Khetternath Chatterjee	1,971	8	9	.....	.....	.....	801	0	5	1,170	8	4	.....	.....	.....	ditto.

Kelly, H.	...	8,800	9 3	3,840	8 1	2,136	11 5	823	5 9	744	15 2	78	6 7	Ditto	ditto.
Kemp, H. C.	...	2,469	16 10	168	12 6	436	2 5	1,865	0 11	1,600	0 0	265	0 11	Ditto	ditto.
Kally Nath Mookerjee and another	...	3,065	9 2	...	...	1,190	2 11	1,875	0 3	...	...	1,875	6 3	Outstanding: in course of recovery.	
Kissen Chand Golecha (O'hoyram Kissen Chand).	...	2,43,257	9 11	1,30,399	2 6	95,201	9 4	17,656	14 1	3,650	2 1	14,006	12 0	Ditto	ditto.
Kally Churn Roy	...	510	0 0	...	...	4	0 0	506	0 0	...	...	506	0 0	Nothing farther recoverable.	
Khetter Mohen Dass	...	1,133	8 5	...	...	450	2 0	677	6 5	...	...	677	6 5	Ditto	ditto.
Kally Prosono Vuttacharjee	...	2,327	11 0	...	...	796	7 10	1,531	3 2	...	...	1,531	3 2	Ditto	ditto.
Kysar Sahibzada Mohamed	...	5,925	0 0	3,852	1 1	502	12 5	1,540	2 6	534	14 2	1,005	4 4	Ditto	ditto.
Kasim Ariff Bham	...	793	9 3	...	...	257	8 0	539	1 3	...	...	539	1 3	Ditto	ditto.
Kallaram Johurmull and Ghonneram Doss.	...	555	6 3	...	...	6	0 0	549	6 3	...	...	549	6 3	Ditto	ditto.
Kertybas Paul and Annodaprosad Banerjee and others.	...	3,970	9 3	...	...	6	7 0	3,970	2 3	...	...	3,970	2 3	Ditto	ditto.
Koylas Chunder Sreemany and another	...	16,975	7 4	...	...	8,256	2 10	8,619	4 6	...	...	8,619	4 6	Outstanding: in course of recovery.	
Kirparam Sook Doyal	...	2,125	14 0	...	...	17	11 6	2,108	2 6	...	...	2,108	2 6	Nothing further recoverable.	
Kally Podo Nundy	...	597	9 6	...	...	3	8 0	594	1 6	...	...	594	1 6	Outstanding: in course of recovery.	
Kally Churn Ghose	...	7,862	8 6	...	...	29	3 3	7,833	5 3	...	...	7,833	5 3	Ditto	ditto.
King Laraine	...	7,968	1 11	720	7 5	624	4 8	6,333	5 10	4,034	7 1	2,488	14 9	Ditto	ditto.
Krug and Co.	...	4,468	1 4	202	11 6	322	12 8	3,942	9 2	...	...	3,942	9 2	Ditto	ditto.
Khetter Mohen Mookerjee	...	750	0 0	...	...	...	...	750	0 0	...	...	750	0 0	Ditto	ditto.
Lyall, Mathewson and Co.	...	3,68,485	13 8	2,81,882	4 9	84,883	12 0	1,719	12 11	1,285	11 0	434	1 11	Nothing further recoverable.	
Larpent, Saunders and Co.	...	80,893	0 4	42,900	8 0	22,586	4 7	15,156	3 9	12,631	12 0	2,524	7 9	Ditto	ditto.
Larmour, F. D. A.	...	1,170	8 0	...	...	...	...	1,170	8 0	...	...	1,170	8 0	Ditto	ditto.
Langlois and Co.	...	33,718	2 6	1,620	6 4	23,592	8 7	8,505	3 9	8,170	3 9	335	0 0	Ditto	ditto.
Lake, Hamill and Co.	...	6,527	12 4	595	0 8	2,313	0 4	3,530	11 4	8,244	15 2	344	12 2	Ditto	ditto.
LeTourneur, Labadie and Co.	...	7,483	10 3	1,098	13 8	5,463	14 7	920	14 0	538	7 3	382	6 9	Ditto	ditto.
Latapie, E. D. (2nd)	...	3,982	6 2	12	0 2	3,079	2 10	891	3 2	795	10 5	95	8 9	Ditto	ditto.
Landeman, J. V.	...	1,008	10 5	234	3 6	243	15 10	530	7 1	480	12 4	49	10 9	Ditto	ditto.
Lindsay, D. B.	...	1,430	3 0	...	...	557	4 0	872	15 0	...	...	872	15 0	Ditto	ditto.
Ledlie, A. H. (2nd)	...	1,654	8 7	140	5 6	658	12 11	815	5 2	52	8 2	762	13 0	Ditto	ditto.
Lutchmenarain Khetry	...	1,726	9 9	429	2 0	617	3 6	680	4 3	411	14 8	268	5 7	Ditto	ditto.
Langlois, J. P.	...	1,418	12 0	...	...	532	0 0	916	12 0	...	...	916	12 0	Ditto	ditto.
Lokenauth Shaw	...	8,323	8 6	6,175	6 2	2,491	13 6	653	4 10	...	...	...	...	Ditto	ditto.
Latapie, E. D. and Co.	...	2,444	10 6	286	6 6	487	6 0	1,670	14 0	1,557	12 4	113	1 8	Ditto	ditto.
Leisk, A. S. (2nd)	...	885	8 11	143	0 0	69	0 4	673	8 7	200	0 0	473	8 7	Ditto	ditto.
Linjeebhoy Dhunjeebhoy	...	4,781	8 5	2,761	5 3	992	9 8	1,027	9 6	1,027	9 6	...	...	Ditto	ditto.
Lyall, R. A., and another (Lyall, Rennie and Co.)	...	3,60,219	2 3	3,06,074	15 5	60,755	7 1	3,488	11 9	2,712	7 11	676	3 10	Ditto	ditto.
Leitch, J. K. (Kerr, Leitch & Co.)	...	1,552	3 0	558	2 9	520	14 6	744	1 9	51	13 3	692	4 6	Schedule not filed as yet.	
Larmour, C. F. (separate estate)	...	2,822	12 2	...	...	25	6 6	2,797	5 8	...	...	2,797	5 8	Nothing further recoverable.	
Leekie, Thomas	...	1,010	1 6	...	...	171	8 0	838	9 6	...	...	838	9 6	Ditto	ditto.
Larmour, C. F., and another (C. Lazzare and Co.)	...	6,744	9 5	...	...	5,735	4 3	1,009	5 2	...	...	1,009	5 2	Ditto	ditto.
Leoander and Co.	...	22,004	11 11	10,200	7 1	4,859	2 1	6,945	2 9	5,900	10 10	1,044	7 11	Ditto	ditto.

ESTATES.	Whole amount of receipts.		WHOLE DISBURSEMENTS.		Balance.	Portion of balance applicable to dividends now payable.	Net balance.	Probable outturn of the dependencies.
	Rs.	A. P.	Dividends paid.	Other payments.				
Loke Nauth Dhar	2,601	7 6	1,415	591	594	573	Rs. 21	Nothing further recoverable.
Mackintosh and Co.	2,24,494	11 9	1,24,788	77,432	26,274	24,413	A. 1	Ditto
Macleod, Fagan and Co.	17,631	7 7	6,841	10,248	541	8	P. 2	Ditto
Macgregor, Hunter and Co.	10,719	11 10	.....	9,875	844	.....	6 7	Ditto
Mackey and Co., D. C.	1,17,362	7 8	58,372	41,916	17,073	17,064	0 7	Ditto
Minto & Co., William	9,560	5 4	3,938	2,759	2,863	2,863	8 13	Ditto
Maclean, L. A.	885	4 9	18	342	524	430	6	Ditto
Melville, William	1,868	3 8	.....	859	1,509	1,339	7 7	Ditto
Martin, Pillans and Co.	96,154	3 7	19,123	71,924	5,106	5,078	9 9	Ditto
Morris, James (Senior)	682	6 9	.....	146	616	.....	7 9	Ditto
Monteith, John	821	0 8	20	189	543	.....	6 9	Ditto
Murdock, Mackenzie and Co.	5,598	2 8	17	5,037	1,124	458	8 8	Ditto
Meyers, F.	1,263	13 6	.....	139	854	.....	1 7	Ditto
Macdonald, Daniel	1,691	14 2	217	589	1,479	609	13 6	Ditto
Martin, William	2,106	11 8	75	552	533	1,425	9 9	Ditto
Michael, J. C. (2nd)	7,760	12 8	5,858	1,869	801	.....	5 6	Ditto
Meddlecat, J. H. P.	1,011	14 6	111	98	1,623	579	5 11	Ditto
Meyers, A. J.	8,876	3 0	4,248	2,804	1,354	1,590	1 9	Ditto
Meer Dawood Alley	3,044	0 2	1,459	223	762	1,191	2 7	Ditto
Munrocloll	1,410	4 10	.....	647	811	.....	3 3	Ditto
Muddonjee Dhurrunsee	880	0 2	.....	68	1,093	472	10 0	Ditto
Morgan, C.	1,978	6 8	655	200	1,432	813	12 0	Ditto
Michael, J. C. (2nd)	10,105	11 8	7,099	1,573	2,641	1,406	9 9	Ditto
Murray, James (Black and Murray)	14,154	7 2	8,942	2,570	781	2,622	1 3	Ditto
Mugneeram	4,227	6 6	1,405	2,040	899	695	15 10	Ditto
Muddosoodun Dutt	8,150	7 5	6,026	1,224	1,558	846	7 5	Ditto
Maddosoodun Pyne	1,762	10 1	.....	203	1,411	.....	6 10	Ditto
Marshall Brothers	12,811	4 11	6,719	4,650	1,401	1,294	1 1	Schedule not filed as yet.
Mangos, C. D.	13,668	1 10	4,611	8,055	1,332	859	10 1	Nothing further recoverable.
Martin, J. C.	2,327	4 4	834	159	633	1,244	9 1	Ditto
Mahamed Baker Aga	2,098	2 9	1,032	432	1,938	534	15 6	Ditto
Megraj Boorah (Megraj Choyrnull)	11,487	2 8	7,196	2,852	1,057	1,822	7 7	Ditto
McArthur, James	1,119	15 6	.....	62	718	965	8 8	Ditto
McKay, W. R.	864	6 6	122	23	6,852	146	2 2	Ditto
Mohabharut Roy	10,914	8 0	.....	4,062	3,326	.....	15 7	Ditto
Moorally Dhar Bunsheelall	10,977	9 11	3,288	4,362	1,299	1,420	7 0	Ditto
Muddon Mohun Dey and another	40,990	4 2	34,003	5,687	8	1,215	5 8	Ditto

Mohendro Nath Bose	2844	3	9	.....	1,054	8	0	1,789	11	9	Ditto	ditto.
Nursing Chunder Bose	1,030	0	0	.....	202	11	0	827	5	0	Ditto	ditto.
Nyssa, John	750	2	11	.....	171	4	0	578	14	11	Ditto	ditto.
Nemy Churn Bysack	1,210	13	0	.....	428	5	4	782	7	8	Ditto	ditto.
Norman Brothers	19,569	14	7	9,267	15	3	.....	4,395	14	0	Ditto	ditto.
Nobin Kissen Ghose	2,450	0	0	617	3	1	.....	1,063	3	1	Ditto	ditto.
Kundolal Shaw and Anantololl Shaw	1,950	0	0	.....	249	6	6	.....	.....	.....	Ditto	ditto.
Narain Sing and Co.	32,007	6	11	18,805	8	7	.....	3,424	11	7	Ditto	ditto.
Nicol, J. Dyce	23,409	1	11	9,527	9	10	.....	1,549	5	8	Ditto	ditto.
Nilcomul Mitter	500	0	0	.....	.....	.....	.....	.....	.....	.....	Ditto	ditto.
Nicholls, W. and another (W. Nicholls & Co.).	18,841	1	4	13,266	2	9	.....	977	14	8	Ditto	ditto.
Nabin Chunder Dey	1,375	1	7	542	8	0	.....	555	7	9	Ditto	ditto.
Narain Sing Dhunput Sing	2,443	7	5	716	14	10	.....	403	4	8	Ditto	ditto.
Nundoram	697	12	0	.....	87	0	0	.....	610	12	0	Outstanding: in course of recovery.
Owen, Allhuson and Co.	29,591	0	9	794	12	2	.....	3,163	15	10	Nothing further recoverable.	
Oliva, L. B.	23,729	2	7	17,569	15	0	.....	.....	.....	.....	Ditto	ditto.
Ogle and Co., John	2,03,140	10	8	1,56,004	1	7	.....	15,462	10	5	Ditto	ditto.
Obhoy Churn Dutt	1,127	0	6	457	9	9	.....	.....	.....	.....	Ditto	ditto.
Obhoyram Budre Chand	1,910	9	0	.....	.....	.....	.....	.....	.....	.....	Ditto	ditto.
Ord, W. K.	679	8	4	57	7	10	.....	503	11	10	Ditto	ditto.
Ord, William (Murdock and Co.)	3,515	2	3	.....	.....	.....	.....	511	1	0	Ditto	ditto.
O'Neill, Thomas	1,510	13	8	.....	.....	.....	.....	465	9	6	Ditto	ditto.
Omroo Sing	2,747	15	11	1,845	11	8	.....	352	14	1	Ditto	ditto.
Palmer and Co.	5,69,984	6	1	4,01,103	3	11	.....	542	6	10	Ditto	ditto.
Palmer, John	7,707	7	11	6,152	6	4	.....	542	0	9	Ditto	ditto.
Palmer, Thomas	1,473	0	0	.....	.....	.....	.....	.....	.....	.....	Ditto	ditto.
Pew, F. P.	62,965	13	1	34,068	0	5	.....	5,847	11	2	Ditto	ditto.
Parry, John	4,996	8	11	1,738	9	10	.....	1,555	13	5	Ditto	ditto.
Price, Henry	15,380	1	3	.....	.....	.....	.....	600	5	9	Ditto	ditto.
Posner, J.	7,075	8	6	2,904	13	4	.....	873	14	5	Ditto	ditto.
Phillips, John	4,156	0	0	10	11	8	.....	1,501	10	4	Ditto	ditto.
Phillips, DeRhee G. W.	1,260	0	0	538	11	4	.....	562	4	3	Ditto	ditto.
Prosono Coomar Bannerjee	1,241	0	0	.....	.....	.....	.....	.....	.....	.....	Ditto	ditto.
Paran Chand Golcecha (Dhurrum Chand Poorunchand).	96,847	4	1	41,555	1	1	.....	20,759	6	10	Ditto	ditto.
Punchann Doss Mungle Chand (Hatee Sing Sagar Mull Mungle Chand).	6,183	14	3	.....	.....	.....	.....	.....	.....	.....	Schedule not filed as yet.	
Protub Chunder Chatterjee	745	11	7	.....	.....	.....	.....	.....	.....	.....	Nothing further recoverable.	
Purnessor Khan and others [Purnessor Khan and Debendro Nauth Khan (Purnessor Khan and Co.)]	8,129	9	9	953	8	10	.....	811	14	7	Ditto	ditto.



ESTATES.	Whole amount of receipts.		WHOLE DISBURSEMENTS.		Balances.		Portion of balance applicable to dividends now payable.		Net balance.		Probable outturn of the dependencies.	
	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.
Pannay Chand and others (Hurrack Chand Pannay Chand).	16,368	3 9	.....	.....	2,003	13 2	14,964	6 7	14,964	6 7	Nothing further recoverable.	
Payne and Co. (Bombay Firm)	8,025	0 0	6,125	3 10	1,304	13 10	534	14 4	531	12 8	Ditto	
Palmer and Co., R. G.	5,624	2 9	.....	.....	2	11 0	5,621	7 9	5,621	7 9	Outstanding : in course of recovery.	
Quillet, DeGay and Co.	6,539	10 4	3,149	1 11	2,380	4 6	1,011	3 11	1,011	3 11	Nothing further recoverable.	
Quillet, R.	8,400	1 6	4,991	0 0	604	3 8	2,504	13 10	33	0 0	Ditto	
Runtz, Rees and Co.	19,490	12 2	3,907	1 1	10,031	14 8	5,551	12 5	5,551	12 5	Ditto	
Russell, C. D.	8,785	14 2	7,162	15 2	1,050	0 9	563	14 3	20	15 2	Ditto	
Roghoon Nauth Bose	1,778	13 4	702	12 10	444	4 0	631	12 6	40	1 6	Ditto	
Rogers, Alexander	10,892	13 6	5,963	0 4	4,136	10 8	793	2 5	793	2 5	Ditto	
Rajkissore Dutt	4,683	12 2	.....	.....	665	13 6	4,017	14 8	4,017	14 8	Ditto	
Rousac, A. G.	12,304	10 3	8,940	2 5	1,003	11 3	2,300	12 7	2,300	12 7	Ditto	
Randhove Mitter	838	5 4	52	4 5	217	8 2	568	8 9	115	7 3	Ditto	
Rustonjee, Cowasjee and Co.	11,032	15 0	3,373	5 8	6,015	1 6	1,644	7 10	354	13 7	Ditto	
Ramsabuck Misser and others	1,23,206	9 4	75,777	8 5	29,912	4 9	17,516	12 2	372	15 9	Ditto	
Robinson, S. H.	1,129	10 9	.....	.....	132	0 0	997	10 9	997	10 9	Ditto	
Ram Narain Sreemaney	9,319	9 0	4,154	0 11	2,011	7 1	3,129	0 0	53	5 4	Ditto	
Robinson, J. J. (Wallace and Co.)	3,052	8 8	252	0 0	2,927	4 6	743	4 2	433	5 5	Ditto	
Ram Nath Janookeyprossaud	5,206	4 9	.....	.....	2,792	3 0	2,504	1 9	2,504	1 9	Schedule not filed as yet.	
Russicklall Paul	702	5 3	.....	.....	23	11 6	678	9 9	678	9 9	Nothing further recoverable.	
Ritz, Alfred	1,139	0 0	.....	.....	205	7 6	930	8 6	239	11 1	Ditto	
Ram Gopal Paul	8,141	12 6	4,314	7 11	2,408	6 5	1,413	13 11	198	4 6	Ditto	
Ram Dass Paul	1,545	8 3	506	2 6	475	10 9	563	11 0	142	5 0	Ditto	
Rakhal Chunder Bannerjee, junior	5,334	7 3	138	2 6	2,806	9 9	2,529	11 0	2,469	13 6	Ditto	
Rushbon, H. P., and others (Rushbon Brothers).	81,120	2 3	47,540	3 8	26,709	11 0	6,780	3 7	1,370	6 4	Ditto	
Rustonjee Cowasjee	3,796	13 7	1,637	9 1	425	11 10	1,733	8 8	1,537	12 2	Ditto	
Rushbon, Edward	2,754	3 9	1,418	6 4	708	1 11	657	11 6	.....	.....	Ditto	
Ramsaran Lall	57,280	1 1	31,912	11 5	21,011	11 2	5,225	10 6	157	0 9	Ditto	
Ram Kissen Kotary	7,527	14 3	4,586	4 5	1,840	0 4	1,101	9 6	2	6 1	Ditto	
Ramsamull Pannalall	1,433	2 9	.....	.....	656	11 9	1,276	7 0	1,276	7 0	Ditto	
Robinson, C. A. (1st)	1,500	0 0	477	2 10	81	12 9	941	0 5	214	11 8	Ditto	
Ramdhone Mullick	46,924	8 3	455	4 3	45,512	6 2	956	13 10	956	13 10	Ditto	
Rajendro Coondoo and another	860	0 0	.....	.....	132	1 0	677	15 0	677	15 0	Ditto	

Reinhold, H. (Reinhold & Co.)	...	13,793	10	0	10,405	14	9	2,663	9	1	726	2	2	543	12	1	182	6	1	Ditto	ditto.
Reinhold, H. C., and another (Reinhold Brothers)	...	5,998	10	10	135	7	9	1,717	6	5	4,145	12	8	233	14	0	3,911	14	8	Ditto	ditto.
Reinhold, H. C., separate account	...	790	0	0	7	11	2	53	1	8	729	3	2	714	3	3	10	15	11	Ditto	ditto.
Ritz, Reinhold and Feilman	...	13,833	5	0	10,502	0	10	1,073	3	9	1,758	0	5	216	13	6	1,541	2	11	Ditto	ditto.
Rashbehary Roy and J. Mohithur Roy	...	33,044	14	4	4,753	13	1	23,266	1	6	5,024	15	9	1,344	3	10	3,580	11	11	Ditto	ditto.
Radha Kissen Doss alias Lal Behary	...	7,658	0	3	...	...	...	24,800	12	0	5,177	4	3	...	...	...	5,177	4	3	Outstanding: in course of recovery.	...
Ramkissen	...	8,284	10	5	91,829	5	10	7,621	101	3	34,481	12	11	11,888	15	0	22,592	13	11	Ditto	ditto.
Rambox Rattree (Chooncelali Janakey Dass)	...	5,329	3	8	2,501	2	0	1,505	4	3	1,022	13	5	403	3	4	619	10	1	Ditto	ditto.
Ram Narain China	...	880	0	6	...	...	...	368	8	0	511	8	6	...	...	...	511	8	6	Ditto	ditto.
Ram Chunder Tarufdar	...	683	14	9	...	...	...	60	4	0	573	10	9	...	...	...	673	10	9	Ditto	ditto.
Rugboon Nath Das Moddon Gopal	...	16,851	4	4	...	...	...	1,253	0	9	15,128	3	7	...	...	...	15,128	3	7	Ditto	ditto.
Saunders, May, Fordyce and Co.	...	4,03,262	11	3	3,21,713	7	1	68,906	4	4	12,642	15	10	11,992	9	4	650	6	6	Nothing further recoverable.	...
Stewart and Co., W. C.	...	5,793	6	0	1,967	12	3	770	3	11	3,055	5	10	1,724	14	7	1,330	7	3	Ditto	ditto.
Senae, W. D. M.	...	2,514	11	7	...	...	...	912	2	6	1,002	9	1	1,533	5	10	69	3	3	Ditto	ditto.
Smith, W. S.	...	3,620	13	5	2,635	15	6	471	0	8	513	13	8	471	11	1	42	2	2	Ditto	ditto.
Stocquelor, J. H.	...	7,138	0	0	210	6	5	5,537	0	7	1,390	9	0	1,122	12	7	267	12	5	Ditto	ditto.
Seblat'er, Michael	...	20,294	14	10	16,357	13	1	2,433	0	9	1,504	1	0	1,005	8	1	497	8	11	Ditto	ditto.
Smoult, W. H.	...	1,976	10	3	97	13	5	328	9	3	1,537	3	7	1,190	7	6	359	12	1	Ditto	ditto.
Sheppard, G. A.	...	5,598	2	10	4,179	1	11	662	0	7	757	0	4	652	6	0	104	10	4	Ditto	ditto.
Sarkies and Co., P. J.	...	52,610	10	9	6,473	9	2	45,380	2	2	756	15	5	602	12	10	151	2	7	Ditto	ditto.
Scott, C. C. J.	...	7,723	13	9	4,659	10	11	2,092	0	10	1,002	2	0	631	9	11	430	8	1	Ditto	ditto.
Smith, Hufnagle and Co.	...	26,632	14	5	13,828	7	4	10,795	4	10	2,005	2	3	...	...	...	2,006	2	3	Ditto	ditto.
Stubbs, W. V. G.	...	3,491	6	5	81	3	10	1,619	12	7	1,760	6	0	262	2	3	1,498	3	9	Ditto	ditto.
Snook, J. V.	...	775	10	0	...	...	...	158	0	0	617	10	0	...	...	...	617	10	0	Ditto	ditto.
Sreogopal Misser	...	1,950	0	0	55	14	4	678	6	8	1,216	11	0	1,693	0	11	123	10	1	Ditto	ditto.
Solomon, Maledina	...	64,441	6	10	43,579	4	11	17,498	10	0	2,903	7	11	2,682	12	0	280	11	11	Ditto	ditto.
Stewart, W. M.	...	24,989	4	9	12,513	15	1	6,325	16	7	6,149	6	1	5,610	9	8	538	12	5	Ditto	ditto.
Sarkies, P. J.	...	10,227	7	7	6,170	7	7	3,097	5	4	959	10	8	787	6	3	172	4	5	Ditto	ditto.
Greenauth Mullick	...	17,782	7	7	13,851	6	6	3,389	12	10	541	5	3	431	12	6	109	8	9	Ditto	ditto.
Sewmurdur Faray	...	32,283	9	9	18,836	10	11	7,473	4	4	5,973	10	6	5,242	11	7	730	14	11	Ditto	ditto.
Smith, A. M.	...	2,800	10	7	244	1	6	801	15	7	1,754	9	6	1,371	10	8	382	14	10	Ditto	ditto.
Sib Chunder Seal	...	18,535	3	9	3,152	9	3	9,476	8	9	926	1	9	923	7	3	2	10	6	Ditto	ditto.
Solomon and Co., D. H.	...	16,053	12	9	9,499	1	8	4,711	4	9	1,843	6	4	1,655	2	10	189	8	6	Ditto	ditto.
Schiller, F., and another (Berrodalle, Schiller and Co.)	...	1,52,077	1	8	83,649	5	8	31,168	12	4	37,855	15	8	30,621	14	4	7,237	1	4	Ditto	ditto.
Straw, F. T.	...	36,270	15	11	19,314	14	5	15,635	4	5	1,320	13	1	809	14	0	510	15	1	Ditto	ditto.
Samull Doss Soonder Doss	...	2,137	6	9	999	1	3	683	4	6	525	1	0	400	11	1	124	5	11	Ditto	ditto.
Smith and Co., Thomas	...	90,941	4	3	8,918	11	0	56,288	9	2	1,734	0	1	1,078	12	0	635	4	1	Ditto	ditto.
Shamachurn Bhur	...	1,003	2	0	...	...	...	187	0	7	816	1	5	...	...	...	816	1	5	Ditto	ditto.
Schiller, F.	...	5,482	10	7	1,887	9	0	1,489	4	1	2,705	13	6	2,489	5	2	216	8	4	Ditto	ditto.
Shamlal Aherry (Dewkey Nundon Laljee Mell)	...	19,952	12	6	12,131	4	8	3,245	3	10	1,273	4	0	1,215	8	0	57	12	0	Ditto	ditto.



Tineury Dass	6,741	8	4	2,486	7	7	1,039	11	7	3,215	5	2	1,348	10	5	1,868	10	9	Ditto	ditto.
Tiruthram	1,445	8	9	404	9	1	226	0	7	814	10	1	822	7	10	492	2	8	Ditto	ditto.
Tarrabrosano Sircar	28,362	4	10	.....	.....	.....	1,530	6	0	26,821	14	10	.....	.....	.....	26,821	14	10	Ditto	ditto.
Umbica Churn Sett	8,816	8	3	.....	.....	.....	684	7	5	3,132	0	10	.....	.....	.....	8,132	0	10	Nothing further recoverable.	
Vandenbergh, J. B. (2nd)	5,740	4	3	4,036	0	7	446	2	5	1,264	1	3	1,235	11	11	28	5	4	Ditto	ditto.
Willis, Joseph	1,20,340	2	7	88,227	7	6	29,952	12	8	2,165	14	5	1,839	2	11	326	11	6	Ditto	ditto.
Willis, F. T.	7,102	7	11	892	13	4	2,906	1	7	3,303	9	0	2,932	2	8	871	6	4	Ditto	ditto.
Wood, Olliffe and Co.	3,276	6	10	.....	.....	.....	1,427	4	6	1,849	2	4	.....	.....	.....	1,849	2	4	Ditto	ditto.
Waring, E. S. S.	3,066	8	8	1,784	1	7	529	5	2	753	1	11	647	4	3	105	13	8	Ditto	ditto.
Williams, Stephen	20,504	1	5	17,453	13	10	2,207	14	7	842	5	0	474	9	9	367	11	3	Ditto	ditto.
Watson and Co., Gibbon and Co.	1,06,519	3	0	87,390	15	9	15,992	0	3	3,136	3	0	2,703	9	8	432	9	4	Ditto	ditto.
Wood, H. W. L.	2,539	13	0	712	3	7	885	5	3	942	4	2	785	11	9	156	8	5	Ditto	ditto.
Webb, John	4,467	8	3	2,391	0	8	1,103	4	5	963	3	2	890	14	9	72	4	5	Ditto	ditto.
Wood, David	1,414	3	0	56	7	3	753	11	11	603	15	10	549	11	6	55	4	4	Ditto	ditto.
Wilcox, H. C.	710	0	0	62	3	9	55	1	0	592	11	3	635	3	8	57	7	7	Ditto	ditto.
Walls, C. B.	8,520	11	5	6,592	2	1	1,403	4	3	525	5	1	120	11	5	404	9	8	Ditto	ditto.
Woodin, W. (G. F. Hodgkinson and Co.)	25,413	4	5	1,022	8	2	22,444	3	9	1,946	8	6	1,549	5	6	397	3	0	Ditto	ditto.
Woomees Chunder Bauerjee (G. DeLeman and Co.)	23,991	14	1	19,723	8	11	3,065	4	8	1,203	0	11	1,153	12	3	19	4	8	Ditto	ditto.
Wylde, J. J.	1,200	0	0	126	6	4	21	7	1	1,052	2	7	.....	.....	.....	1,052	2	7	Ditto	ditto.
Wiseham, William	967	3	6	.....	.....	.....	82	0	0	935	3	6	.....	.....	.....	935	3	6	Schedule not filed as yet.	
Wintersdale, James	1,254	12	10	.....	.....	.....	.....	.....	.....	1,254	12	10	.....	.....	.....	1,254	12	10	Outstanding in course of recovery.	
Zunnie, A.	4,960	2	9	261	11	10	2,907	12	6	1,690	10	5	.....	.....	.....	1,690	10	5	Nothing further recoverable.	

In addition to the above, there are 1,629 estates with balances under Rs. 500 each, aggregating Rs. 1,82,560.5-10, the particulars of which may be learnt at this Office. The Official Assignee has received for remuneration for the quarter ending 30th June 1892 Rs. 19,794-1-4.

CALCUTTA,  
The 1st June 1892.

A. B. MILLER,  
Official Assignee.

(900—1)

**Notice.**

In the matter of Behary Lal Chakraborty, an insolvent.

**BEHARY LAL CHAKRABORTY**, son of Madhub Chandra Chakraborty, of Narikaldanga, district 24-Parganas, has been declared an insolvent and discharged. **JOGENDRA NATH GHOSH**, Munsif of Sealadah.

Vested with powers under sections 344-359, C. P. Code.

Sealdah Munsif's Court, the 7th December 1892.

0429—1)

**Administrator-General's Office****NOTICE.**

**ADMITTED** claims against the undermentioned estates are payable on Tuesday and Friday as usual:—

ESTATES.	Claims or dividends.	Rules of dividends per rupee.
*Warter, H. de(1, Colonel, late a Colonel in the Royal Artillery ... ..	2nd dividend at 13 annas	825 pie per rupee or balance in full.
*Young, M. A., Mrs., late of No. 21, British Indian Street, in the Town of Calcutta.	Claims in full.	

*N.B.*—The surplus of the estates marked \* carried over to the account for the persons interested, and no other claims against the estates can be admitted.

Persons presenting receipts for payment are requested at the same time to produce the Registry certificates which have been granted to them from this office.

**F. COLLIS SANDER,**

Offg. Administrator-General of Bengal.

Calcutta, the 29th December 1892. (906—1)

**DHOGOBAN CHUNDER MOOKERJEE** intends to apply for enrolment as a Vakeel of the High Court, Calcutta. (07—4)

**WE** have this day established ourselves as Merchants and Commission Agents in Calcutta and London, under the style of **McKewan, Everett and Company.**

**W. H. MCKEWAN.**

**R. STANLEY PARKINGTON.**

**C. E. H. KLOPP.**

**J. H. EVERETT.**

**W. R. WYLD-BROWNE.**

4 Lyon's Range, Calcutta, the 2nd January 1893.

(90.)—1)

**POSTAL NOTICES.**

Mails for—	Day of closing at Calcutta.	Route by which despatched.
Egypt, Europe, America, Cape Colonies through United Kingdom.	4th Jan. 1893.	Per P. & O. str. from Bombay.
Ditto ditto	14th "	Ditto.
Ditto (book-post and pattern packets)	16th "	Ditto.
Mauritius, Malé (Seychelles), Mayotte, Nosé Be and Réunion.	11th "	Ditto.
Zanzibar, Mozambique, Delagoa Bay, Natal and Cape Colonies.	11th "	Ditto.
Ceylon, Straits Settlements, Netherlands India, Labuan, Bankok (Siam), Philippine Islands, China and Japan.	9th "	Ditto.
Australia, New Zealand and Tasmania.	9th "	Ditto.
Colombo and the Australasian Colonies.	13th "	Via Bombay and Tuticorin.
Madras, Pondichery, Ceylon, Batavia, Singapore and China.	11th "	Per French str. <i>Nimrod</i> .
Madras and Colombo	11th "	Per P. & O. str. <i>Bagul</i> .
Straits, China, and Japan	7th "	Per str. <i>Wimborgh</i> .
Rangoon and Moulmein	10th "	Ditto <i>Pandora</i> .
Ban wan, Moulmein, Penang, and Singapore.	6th "	Ditto <i>Pandora</i> .
Akyah, Kyaukpadaung, Sandoway and Rangoon.	4th "	Ditto <i>Kinta</i> .
Port Blair	12th "	Ditto <i>Shikhan</i> .
Mauritius	6th "	Via Tientsin and Colombo.

*N.B.*—The letter box for inland articles (including articles for Burma and Port Blair and for Ceylon by land route) will be cleared for the last time for articles without the late-fee at 7 p.m. precisely; after which hour inland letters and papers fully prepaid and bearing an extra postage stamp of 4 annas will be received up to 7-30 p.m.

On the day of despatch of the Mail for Europe, the letter-box for Foreign articles will be cleared for the last time for articles without the late-fee at 8-30 p.m., and late letters and papers will be received up to 9 p.m. On other days the letter-box for Foreign articles will be cleared for the last time for articles without the late-fee at 7 p.m., and Foreign letters and papers fully prepaid, bearing an extra stamp of 4 annas, will be received up to 7-30 p.m. for despatch by any Foreign mails despatched the same night.

(**GEO. E. WALKER**, Offg. Presidency Postmaster.

General Post Office, the 3rd January 1893.

**Unclaimed Letters held in the Calcutta General Post Office on 3rd January 1893.**

Baxter, Mrs. Kate S.	Iaggee, G. T.
Borrie & Co.	Lamille, G. & Co.
Brass, J. T.	Lawson, C. & Co.
Briggs, Charles.	Lozenzo, Maurice.
Dodd, Egton & Co.	Oppenling, J.
Fancher, O.	Patterson, A. B.
Gow, Jas & Co.	Scott, J. D.
Graves, Miss Hannah.	Shoibus & Co.
Gardiner, Mrs.	Verink, H. L.

*Letters marked Care of "Post Office."*

Abbott, Mrs. Mary.	Heldke, Mrs.
Aids Cooper, Miss.	Hennessy, A.
Addis, A.	Houston, U. K.
Ainsworth, Mrs.	Isaacs, Elias H.
Allen, C. H.	Jackson, Miss Amy.
Anderson, Dr.	Johnson, Miss Cissie.
Andrews, H. M.	Johnston, Mrs.
Archard, H. A.	Johnson, Miss M. A.
Augustine, S. M.	Kane, R. J.
Anson, Ernest	Kemble & Co.
Bateman, Mrs. S.	Kidd, Dr. C. E.
Barnett, R.	Lobo, M. B.
Barrington, E.	Lawn, Miss.
Beckett, Miss.	LeFevre, John.
Barton, H. A.	Lee, J. W.
Bell, J. Hyslop.	Leslie, W.
Bentley, Mrs. Walter.	Longmate, Sergeant.
Berry, Mrs. E. R.	Lynch, C. P.
Polle, T.	Lyons, B.
Bradley, John.	Madge, A.
Braunmeyer, Dr. Jur Franz.	Macaulay, Capt. M.
Brewer, Thos.	Maclean, F. H.
Brown, M.	Mann, John
Bryan, C. H.	McDonald, D. M. K.
Bryden, Mrs. Edward.	McCartie, Surgeon-Major.
Cartwright, S. W.	McCartney, John.
Chariphor, M.	Medd, G. H.
Clark, Rev. F. E.	Meldegg, Baron, R. V.
Cook, S. G.	Merz, Charles.
Courjon, Miss	Mittar, Mrs. C. H.
Crawford, H. E.	Molesworth, Mrs. W. F.
Crawley, John, G.	Monteah, J. H.
Curtis, Mrs. C. C.	Murphy, J. C.
Cuthbert, Mrs. Claude.	Murphy, C. S.
Deamrolais, Mr.	Murphy, M. F.
DeSouza, A. S. R.	Nation, Fred.
Dickson, Sam.	Naylor, Mrs. H. A.
Dohse, A.	Newington, Mrs.
Douglas, G. P. Homo.	Ogilvie, Louis.
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**Nadia Rivers.**

*Report showing the least depths of water for the week ending Friday, the 23rd December 1892*

Name of river.	Reach of river.	Least depth of water soundings.	REMARKS.
		Ft. In.	
Churnath	Entrance from Ganges	3 9	Nerpore, Gira, Berhampur, Moimpur, Meicuri.
	Thence to Nurpur	2 9	
	From Nurpur to Jankipur	2 6	
	" Jankipur to Berhampur	2 0	
	" Berhampur to Cutwa	12 3	
	" Cutwa to Nadia	2 0	
Bhaya-Ja-Son	Entrance from Ganges	6 0	Roorapur, Lalnagore, Pandapur.
	Thence to Akriani	4 9	
	Akriani to junction of the Bhayub and Jankuri	4 0	
	Thence to Patkauri	4 0	
	Patkauri to Nadia	4 0	
Mathabhangga	Entrance from Ganges	0 2 1/2	Chynpara, Mezia, Sumpur, Boshia, Choudanga, Kishengang and Hanskhali.
	Thence to Chynpara	0 2	
	From Chynpara to Shikarpur	0 3	
	" Shikarpur to Boshia	0 4	
	" Boshia to Choudanga	2 6	
	" Choudanga to Kishengang and Hanskhali	2 6	

*Gauge Readings.*

Locality.	Date.	Hour.	Height above zero.	Height above mean sea level.	REMARKS.
			A. M.	Feet.	
Ganges.	Sahebganj	24-12-92	6	177	6975
	Rampur Boshia	24-12-92	12	176	4576
	Entrance of Bhayub	24-12-92	7	550	5081
	Entrance of Bhayub-Jankuri	24-12-92	...	638	4494
	Entrance of Mathabhangga	24-12-92	...	375	...
Bhagirathi Jalnadi	Berhampur	24-12-92	12	453	3508
	Kishengang	24-12-92	...	442	1371
	Sumpur	24-12-92	6	370	1181
Mathabhangga.	Hanskhali	24-12-92	...	308	1298

C. E. LIVESAY, C.E.,

Exc. Engr., Nadia Rivers Division.

Berhampur, the 26th December 1892.

**Nadia Rivers.**

*Report showing the least depths of water for the week ending Friday, the 30th December 1892.*

Name of river.	Reach of river.	Least depth of water soundings.	REMARKS.
		Ft. In.	
Churnath	Entrance from Ganges	3 6	Mednypore, Lakhondar, Berhampur, Nagore, Dewanganje.
	Thence to Nurpur	2 3	
	From Nurpur to Jankipur	2 6	
	" Jankipur to Berhampur	12 0	
	" Berhampur to Cutwa	12 3	
	" Cutwa to Nadia	2 0	
Bhaya-Ja-Son	Entrance from Ganges	5 3	Paherpore, Lalnagore, Mahesganje.
	Thence to Akriani	4 0	
	Akriani to junction of the Bhayub and Jankuri	4 0	
	Thence to Patkauri	4 0	
	Patkauri to Nadia	4 0	
Mathabhangga	Entrance from Ganges	0 2	Chynpara, Mezia, Sumpur, Boshia, Choudanga, Kishengang and Hanskhali.
	Thence to Chynpara	0 2	
	From Chynpara to Shikarpur	0 3	
	" Shikarpur to Boshia	0 4	
	" Boshia to Choudanga	2 6	
	" Choudanga to Kishengang and Hanskhali	2 6	

*Gauge Readings.*

Locality.	Date.	Hour.	Height above zero.	Height above mean sea level.	REMARKS.
			A. M.	Feet.	
Ganges.	Sahebganj	31-12-92	6	160	6930
	Rampur Boshia	31-12-92	12	080	4280
	Entrance of Bhayub	31-12-92	7	515	5046
	Entrance of Bhayub-Jankuri	31-12-92	...	633	4460
	Entrance of Mathabhangga	31-12-92	...	356	...
Bhagirathi Jalnadi	Berhampur	31-12-92	12	446	3701
	Kishengang	31-12-92	...	400	1280
	Sumpur	31-12-92	6	325	1155
Mathabhangga.	Hanskhali	31-12-92	...	180	1265

C. E. LIVESAY, C.E.,

Exc. Engr., Nadia Rivers Division.

Berhampur, the 2nd January 1893.

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# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JANUARY 4, 1893.

## OFFICIAL PAPERS.

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### SCARCITY IN 1891-92.

#### REVENUE DEPARTMENT—AGRICULTURE.

*Calcutta, the 2nd January 1893.*

#### RESOLUTION No. 17Agri.

#### READ again—

- (1) Correspondence with the Commissioners of the Patna, Bhagalpur, and Rajshahi Divisions regarding the recent scarcity in parts of those Divisions.
- (2) Records of the relief operations of 1873-74 and 1888-89.
- (3) Bengal Famine Code, revised edition of January, 1892.
- (4) This Government's Resolution No. 1529Agri., dated the 16th April, 1892.

#### Read—

Final reports of the relief operations of 1891-92, viz.—

- (5) Letters No. 577M., dated 1st September, 1892, and No. 592Met., dated 31st October, 1892, from the Commissioner of the Rajshahi Division, with enclosures.
- (6) Letter No. 728G., dated the 10th October, 1892, from the Commissioner of the Patna Division, with enclosures.
- (7) Letters No. 2116R., dated 12th October, 1892, No. 2174R., dated 15th October, 1892, and No. 2270R., dated 29th October, 1892, from the Commissioner of the Bhagalpur Division, with enclosures.

THE rainfall of 1891 was below the average over the whole of Bengal, but the deficiency was most marked in Bihar and the districts of Bengal north of the Ganges. Although the *bhaui* crop was not generally affected, much

damage was caused to the great winter rice crop of the Province. The information received from the localities suffering from drought indicated at an early stage possibilities of widespread distress, and the apprehensions which the Lieutenant-Governor had entertained were borne out by his observations when travelling through the Patna Division in November, 1891. It was, however, still possible then that a good fall of winter rain would enable a plentiful *rabi* crop to be reaped. This hope was disappointed; no rain fell in December or January, and the *rabi* crop, except on irrigated or low-lying lands, was almost a total failure. Full and periodical reports were called for from the local officers, and, in order to maintain the administration in readiness to meet famine should it come, the lists of works available for purposes of relief were prepared afresh, and a revised edition of the Bengal Famine Code was issued in January, 1892. In March and April, when relief operations were actually in progress, the Lieutenant-Governor visited the affected tracts in the districts of Monghyr, Bhagalpur, and Purnea, and found that on certain points the provisions of the Code were not precisely suited to the exact stage of distress which had then been reached. Detailed instructions were, therefore, issued in the Resolution of 16th April, 1892, quoted in the preamble, for the guidance of the officers concerned, as to the classification of relief works and workers, the calculation of the wage to be paid, the amount of work to be exacted from each labourer, the registers to be kept, and the returns and reports to be submitted in connection with relief works as well as gratuitous relief. The Lieutenant-Governor also reminded the District Boards that, as an integral part of the administration, they were required in times of scarcity or famine to do more than merely provide funds for relief works under Chapter XI of the Famine Code; that it was incumbent on them to recast their budgets; and that, after providing for all obligatory expenditure such as establishment, maintenance of works and buildings, and completion of works in progress which would suffer seriously from being stopped and entail great loss in the end, all the rest of their expenditure on public works should be devoted to such operations as could be classed as relief works.

2. Before the situation was fully developed, it was at first anticipated that the tracts which would suffer most would be the Gaya, Muzaffarpur, and Darbhanga districts, a portion of Shahabad, and the Monghyr, Bhagalpur, Purnea, Dinajpur and Bogra districts. Champaran, which had suffered severely in 1873-74 as well as in 1888-89, was subsequently included in the number of affected areas. Appendix I to this Resolution shows the rainfall in each of these districts from 1st May, 1891, to 31st July, 1892, the fall during the months of May to August, inclusive, in 1891, and for the two individual months of September and October, being compared with the normal rainfall and the actuals in 1873 and 1888. The short rainfall in 1891 was chiefly confined to the last two months of the ordinary monsoon period: the *bhadoi* or early rain-crop was probably a full average; and this fact, combined with the good harvest of the preceding year, mainly accounts for the comparative immunity from distress of all the districts in which the *bhadoi* is largely sown, in spite of the failure of the winter and spring crops. In the Patna Division, taken as a whole, and for the whole province the *bhadoi* crop was estimated by the Director of the Department of Land Records and Agriculture at 12 annas, an estimate which proved to be correct. But, except in the districts of Champaran and Bogra, and in the canal-irrigated portions of the district of Shahabad, the estimated outturn of the winter rice crop was nowhere above 6 annas in the districts about which anxiety was felt. There was a fairly general, though light, fall of rain in Bihār and Northern Bengal about the middle of February, but this rain was generally too late to do much good to the *rabi* crops. Happily no serious distress requiring the intervention of Government ever made its appearance in the districts of Bogra, Champaran, Shahabad, and Gaya. In Bogra, which was one of the districts considered likely in 1873-74 to be the severest sufferers, about one-third of the normal area had not been planted at all with winter rice for want of water at the time of transplanting. But the rain which fell in this district in September improved the prospects, and a 10-anna crop was obtained. The outturn of the *bhadoi* crop having been over 16 annas, there was no actual distress. The price



of common rice averaged 12 seers 11 chittaks, and test works opened at three places in the beginning of March, 1892, attracted very few labourers, and were closed on the 9th April. In Champaran the estimated average outturn of the winter rice was 10 annas, but, the *rabi* having generally failed, it was feared that there would be some distress among the labouring classes. In the Kesairi thana of the Sadar sub-division, the worst part of the district, test works were opened in June, and 516 persons attended on the 4th, and 490 on the 5th; but heavy rain fell on the night of the 5th, and, very few persons having come to work on the following morning, the works were closed on the 7th. In Shahabad, a great part of the district is protected by the Sone Canals; irrigation produced a magnificent rice crop and was extended to a much larger area of *rabi* than had ever been previously watered; still some anxiety was felt for the Bhabhua sub-division, especially the Chainpur and Mohania parganas, comprising an area of 1,000 square miles, and distress was also apprehended in a portion of Chausa (Buxar). In the Bhabhua tract, where population is sparse, the *bhadoi* outturn was estimated at 4 annas, and the winter rice from 1 to 8 annas. But the *rabi* yielded from 8 to 12 annas, and there were eventually no symptoms of distress. The improvement in this sub-division was attributed chiefly to the rainfall, such as it was, in February, but was to some extent the result of embanking a hill stream called the Dargaoti, to which Government contributed Rs. 2,000. By this means a considerable area of country was irrigated, and a fine *rabi* crop secured. In the Buxar tract also the danger was averted by the outturn of the *rabi* crop, which was estimated at 10 annas at least. The position of Gaya was at one time more alarming, the worst parts of the district being half of the Aurangabad thana, and a portion of the Jahanabad sub-division, out of the reach of canal irrigation. The outturn of the winter rice was only  $5\frac{1}{2}$  annas, and that of the *rabi* crop varied from six to eight annas. From March to June, 1892, the price of common rice varied from 12 to  $10\frac{3}{4}$  seers, and that of wheat from 15 to 13 seers, for a rupee. Test works were opened in different places from time to time, but the population nowhere availed themselves of the opportunities of obtaining work, although in one case a daily wage of 2 annas was offered. The explanation is that relief was effectually provided by agricultural works of improvement and by the advances made to carry them out. Up to 31st March, 1892, Rs. 35,000 were granted under the Land Improvement Loans Act, and Rs. 12,000 under the Agriculturists' Loans Act, and from 1st April to the end of June, 1892, the advances under these Acts amounted to Rs. 12,950 and Rs. 1,396 respectively. In Gaya there is an excellent system of catching the surface rain water, and leading it by channels into shallow reservoirs held up by earthen embankments. To carry out this method of irrigation a large amount of earthwork is required, and, with the advances made by Government, there was no dearth of employment. The effects of the scarcity were felt among the classes not accustomed to severe manual labour; the number of beggars increased, and a tendency was noticed among the poorer classes to abandon their helpless relatives and dependents, but private charity met all the necessities of the case, and the Mahant at Bodh Gaya is reported to have given alms to all applicants.

The districts where relief operations were actually carried on for any length of time were Muzaffarpur, Darbhanga, Monghyr, Bhagalpur, Purnea and Dinajpur; and of each of these a detailed account is given below.

3. The tracts which suffered most in 1892 in the district of Muzaffarpur

Muzaffarpur.

were the Lalganj thana of the Hajipur sub-division, and the Belsand and Shiuhar thanas, i.e., the southwestern part of the Sitamarhi sub-division. There was also considerable distress in a tract to the west of Muzaffarpur between Paru, Sahibganj, and Bamraj, and in parts of the Katra and Muzaffarpur thanas in the Sadar sub-division. The outturn of the *bhadoi* of the year 1891 had been excellent, being estimated at 16 annas in the Sitamarhi and Sadar sub-divisions, and 14 annas in the Hajipur sub-division. Up to the middle of September of that year the prospects of the winter rice also were good, but from that time the crop began to be affected by want of rain, and to wither on the higher



lands. Early in October the reports became less favourable, and eventually the crop gave an outturn of 7 annas in the Sitamarhi sub-division, and of 5 annas and 3 annas in the Sadar and Hajipur sub-divisions respectively. In the Hajipur sub-division the rice crop is not important, but the *rabi* too failed, the estimated outturn for the district being 2 to 8 annas. Happily the northern part of the Sitamarhi sub-division, which had been the chief seat of distress in 1888-89, escaped entirely, being saved by the plentiful *bhadoi* crop, and the winter rice, the most important crop in this tract, was comparatively good. In March 1892, the Pupri thána of the Sitamarhi sub-division gave some cause for alarm, which, however, was never realised. When the distress was at its highest in May, the total area affected comprised 1,300 square miles, with a population of 1,173,785 persons. There was no lack of food in the district, and the imports and exports of food-grains by rail from the beginning of April to the middle of July 1892 were 1,52,438 maunds and 32,521 maunds respectively. Imports were largest in May and June, and exports increased as soon as the advent of the rains revived the confidence of the trading community. A comparative statement of prices of the principal food-grains for this as well as the other districts is given in Appendix II to this Resolution.

Relief works were opened in the first week of March, and the largest daily average number of persons employed was 14,147 (10,760 men, 1,568 women, and 1,819 children) in the week ending 14th June. From the second week of June the numbers steadily decreased until the works were finally closed on the 11th July, when field work became abundant. The relief operations have resulted in several valuable additions to the district communications. Many cart tracks, which were almost impassable in the rains, have been converted into raised roads of serviceable breadth. An embankment which protects the town of Muzaffarpur has been extended and strengthened, and the excavation of 17 tanks has been completed. A special feature of the relief operations in this district is that there were very few C class labourers, and no gratuitous relief was distributed. The average quantity of earth-work done by each labourer in one day was also large, being 92 cubic feet, and the average cost per 1,000 cubic feet, with a lead under 50 feet, was Re. 1-3-6. Mr. J. H. Bernard, who was Collector during the greater part of the relief operations, has recorded his opinion, based upon practical experience, that one rupee per 1,000 cubic feet with a short lead would be a sufficiently liberal rate for earth-work.

During the period of distress Rs. 25,616 were distributed as loans under the Agriculturists' Loans Act, and Rs. 200 under the Land Improvement Loans Act.

No death from starvation was reported or is believed to have occurred, though it may be accepted as a truism that it is likely that distress hastened the deaths of those who were already feeble from illness and old age.

In this district no private individuals assisted Government by opening relief works, but several indigo-planters rendered valuable service in supervising relief works, and also in the distribution of loans, which obviated the necessity of employing a large number of circle officers, and thus saved Government a considerable amount of expenditure on account of establishment. Their local knowledge was of the greatest assistance to the district authorities, and the punctuality and completeness with which they carried out instructions and sent in returns were most satisfactory. The Lieutenant-Governor desires that the thanks of Government may be conveyed to each of these gentlemen. Mr. A. Forbes was Collector of the district at the commencement of the relief operations, and was succeeded on the 17th May by Mr. J. H. Bernard. The latter has brought to the favourable notice of Government the good work done by Mr. E. V. Levinge, Sub-divisional Officer of Sitamarhi, and by Mr L. F. Morshead, Sub-divisional Officer of Hajipur. Mr. G. W. Disney, as District Engineer, had immediate charge of the relief works, and by his knowledge of the district and able management rendered great help to the Collector.

4. The effects of the drought and consequent scarcity were more acutely felt in the Darbhanga district than elsewhere. The affected tracts were the Roserah and Bahera thánas, and a small portion of the Darbhanga thána to the east of the Darbhanga town in the Sadar sub-division; the Benipati and Khajauli thánas,

the northern half of the Madhubani thána and parts of the Phulparas thána, in the Madhubani sub-division. The Khajauli thána formed a part of the tract along the Nepal frontier, 90 miles in length, which suffered severely in 1888-89. These tracts, comprising in all 1,185 square miles, or about one-third of the total area of the district, are especially liable to famine, as they depend mainly on the winter rice crop. The outturn of the *bhadoi* crop of 1891 was 14 annas and 12 annas in the Sadar and Madhubani sub-divisions respectively, but this crop covers a comparatively small area. The winter rice crop of 1891-92 on the high lands was a total failure over the greater part of the district, and the outturn of the crop was only about 5 annas in both sub-divisions. Enquiries made in various places, however, tended to show that there were stocks of grain in the district, and from April to July 1892, inclusive, 3,02,622 maunds of food-grains were imported into the district, and 75,529 maunds exported, by rail. No difficulty was at any time experienced in providing supplies of food for the labourers on relief works. The statement given in Appendix II to this Resolution shows how remarkably little the prices of food-grains fluctuated. During the period of eight months common rice varied only between 14 seers per rupee as a maximum and 12 seers per rupee as a minimum. When the distress was at its height in May and the beginning of June, the highest price of *murua* (*eleusine corocana*), the staple food of the lower classes, was 17 seers 9 chittaks per rupee. As the normal price of this grain at that time of the year is about 25 seers the rupee, the ruling rate of the bazar indicates no great pressure. The observation is probably correct that it was a famine of money and not of grain, for those who suffered were the labouring classes for whom there was no work and the petty cultivators who, in ordinary years, live on the produce of their fields, eked out with labour paid for in kind in preparing the lands of wealthier raiyats.

The distressed tracts were divided into seven circles, viz., Benipati, Murukhia, and Bheja in the Madhubani sub-division, and Salehpur, Bahera, Hati, and Buchauli in the Sadar sub-division. The first works, consisting of three tanks, were opened in the Bheja circle (at first called Nawada) in the beginning of March. The Murukhia circle (at first called Katowna) was opened on the 14th March. In the Sadar sub-division operations were commenced on the 28th March, and by the beginning of April all the circles were at work except Benipati, which was opened on the 16th May. The distress in this circle was never so severe as elsewhere, and the task of Government, including the District Board, was lightened by measures taken by the Maharaja of Darbhanga, who owns a large portion of the land in the Benipati thána. Fears were entertained in May that the numbers of people on relief works were becoming so large as to exceed the capacity of the District Officer to organise them properly. Mr. D. R. Lyall, C.S.I., member of the Board of Revenue, paid a visit of inspection to Darbhanga, and his report satisfied the Lieutenant-Governor that the control over the masses of labourers was fairly efficient and that a good return was being obtained for the wages paid. The highest number of labourers, employed on the 11th June, was 47,452 (36,015 men, 6,162 women, and 5,275 children), but the rate of Re. 1-6-6 per 1,000 cubic feet of earthwork then allowed was suspected to have attracted a large number of professional diggers, such as *nonias* and *beldars*, and was reduced to Re. 1, the rate then prevailing in the district of Muzaffarpur. Consequently, by the 18th June the numbers had fallen to 25,815, and by the 2nd July to 12,899. This may be ascribed partly to the reduction of the piece-work rate, and partly to the rain which, about this time, began to fall and induced the people to return to their ordinary occupations in the fields. The number of labourers continued to decrease, and circle after circle was closed until on the 19th of July there was no relief work open in any part of the district. More difficulty was experienced in this district, by reason of the greater numbers involved, than elsewhere in the organization of the labourers employed on relief works. As a matter of fact, the distinction between classes A and B, i.e., labourers paid by piece-work and those paid by task-work, respectively, was observed only in the Murukhia circle, and there was no difficulty in arranging for two classes only, A (labourers at piece-work rates) and C (persons capable of very light work and paid by daily wages), the people classed by the overseers as B themselves

preferring to work in class A. The intention of Government is that class B should be confined to those who are unaccustomed to earth-work, or are temporarily enfeebled by want, and that as soon as they grow strong and skilful enough to earn a full wage by piece-work, they should be transferred to the A class. As the District Engineer, Mr. H. W. Stevens, has reported, two classes, A and C, are practically sufficient, and in this district the stage of distress was never reached at which the permanent maintenance of an intermediate class was required.

The relief works carried out consisted of tanks and roads. Altogether 67 tanks have been dug at an actual cost, excluding establishment and other charges, of Rs. 94,310, the total quantity of earth excavated being 39,932,124 cubic feet. The total storage capacity of the tanks for water is 47,433,825 cubic feet, which would irrigate 19,761 bighas with two inches of water, and Mr. Dalton considers this enough to save the rice crop in the event of its being endangered by any future failure of the October rains. Work was taken in hand on 994 miles of road, of which 582½ miles have been finished, the total amount of earthwork done being 81,956,820 cubic feet, at a cost of Rs. 1,00,902, exclusive of establishment, the average rate per thousand cubic feet being Re. 1-3-8.

Gratuitous relief was found necessary only in four circles—Bheja, Murukhia, Salehpur, and Bahera. In Bheja and Murukhia, where this form of relief was commenced towards the latter end of April, there was, however, no great demand for it. In the Salehpur and Bahera circles gratuitous relief had to be given on a large scale. In these circles, respectively, the average number of recipients of such relief was 357 and 147 daily. The attention of the local officers was at first directed chiefly towards the northern and southerly circles of the district; the country about Bahera and Salehpur was not believed to be in so much danger; relief works were not opened in these circles till the beginning of April, and the regular distribution of gratuitous relief was not commenced till the 15th of May, when many persons of the most indigent classes had been weakened by insufficient food. The largest number in receipt of gratuitous relief, viz. 1,550 (248 men, 692 women, and 610 children), was reached in the week ending 28th May, and this form of relief was finally closed on the 23rd July. The total amount expended on gratuitous relief was Rs. 1,577-5-10, which was more than covered by the following contributions:—

	Rs.
Maharaja of Darbhanga, Rs. 500 a month for three months	... 1,500
Raja Rameshwar Sing	... 500
Rai Ganga Prasad	... 500
Total	... 2,500

C class labour being only another form of gratuitous relief, the Lieutenant-Governor approves the Collector's proposal that, when the final adjustment of accounts is made, this amount should be set off against the combined cost of gratuitous relief and C class labour.

As few individuals of the better classes received gratuitous relief in this district, there was little scope for successful efforts in the direction of obtaining some return for the weekly dole. A small amount of cotton-spinning was done by some *parda-nishin* women in the Bahera circle. The quantity of cotton spun was sold for Rs. 33-6, leaving a small profit to the famine account.

There was a great clamour for agricultural loans, which was not confined to the affected area, and it is a question whether many of the applicants did not contemplate lending the money again at higher interest. Of 2,156 applications received, all except 349 were rejected, and, in accordance with instructions given by Government, loans were restricted to the affected area and limited ordinarily to Rs. 2 per bigha. The advances made amounted to Rs. 11,880 in the Sadar and Rs. 19,992 in the Madhubani sub-division. There is no doubt that these loans enabled many of the poorer among the Brahman and Rajput cultivators to afford employment to a considerable number of labourers, and no lands anywhere lay uncultivated for want of either seed or labour.

There was no authenticated instance of a person previously enjoying average health and strength having died from inanition, but in Darbhanga, as in Muzaffarpur, the Collector heard of cases of old men and women dying, whose death was in all probability accelerated by insufficient nourishment. During the period of scarcity cholera was raging in the district, and some deaths, reported to be from starvation, were found on enquiry to be due to that disease.

The Maharaja of Darbhanga afforded material aid in the relief of distress. Besides paying a total contribution of Rs. 1,500 towards gratuitous relief, as already mentioned, he opened four tanks in May in the Raj circle of Rahika in which Benipati is situated, and instructed his sub-manager to attend to individual cases of want. He also provided four doctors for the treatment of the sick in the affected tracts, gave advances to his raiyats, and distributed a large quantity of seed *dhan*. The Lieutenant-Governor has much pleasure in recognizing the valuable assistance which the Maharaja of Darbhanga afforded to Government.

Mr. G. J. B. T. Dalton was Collector of Darbhanga throughout the period of distress, and though in bad health, never spared himself in the most trying weather. The works were directly under the District Engineer, Mr. H. W. Stevens, whose long acquaintance with the district was of much service in the relief operations. Mr. A. E. Harward was engaged during part of the time in visiting the distressed areas and reporting on the works.

5. In the district of Monghyr anxiety was felt chiefly for a low tract of country in the Sadar sub-division on the north of the Ganges, extending to the boundaries of the districts of Bhagalpur and Darbhanga. Local exaggerations at the outset created a wrong impression of the real state of affairs. Ultimately Government relief operations were found necessary only in the extreme north of this belt, within the jurisdiction of the Bakhtiarpur outpost of the Gogri thána, which was a relief centre in 1874. The recollection of that year was still fresh among the people, and led to some apathy on their part, as they fancied that Government would again interfere with trade and import grain in large quantities. Mr. C. E. A. W. Oldham, Assistant Magistrate, was in charge of the relief operations. The distress in the tract affected was accentuated by the extreme poverty of the population in all seasons, the sandy nature of the soil over the greater part of the area, and the failure of the rains for two successive seasons. In 1891 the *bhadoi* outturn in the Gogri thána was only a four-anna crop, the yield of the following winter rice in Bakhtiarpur was about four annas, while the *rabi* crop of 1891-92 may be estimated at three annas. No figures are available as to the movements of food-grains in this particular tract, but the figures for the whole district, from the middle of May to the middle of August, show 1,43,059 maunds exported and only 28,303 maunds imported by railway.

Work was opened on two roads on the 7th February, but failed to attract persons in need of relief, as would have been the case if there had been real distress, till the latter end of May, when the excavation of some tanks in the extreme north of the district was started with the result that there was a sudden rush of labourers. It is believed that the people of the affected tract at first had recourse to the relief works in the Bhagalpur district, which were very close, and came back when tank work was started on the Monghyr side of the border. The Lieutenant-Governor does not feel sure that the real cause of the low numbers in April and May has ever been ascertained, but though close enquiry was made, nothing was found to raise a suspicion that the works were badly managed and that the labourers did not receive a fair wage for their work, though certainly the average outturn of work was very small. Mr. Vowell, as Collector of the district, visited the relief works on the 3rd July, and is stated to have been of opinion that tank work tended to relax discipline, which could be better exacted along a line of road. The Lieutenant-Governor does not understand why this should be the case, and considers that, within the comparatively small area of a tank, supervision can be exercised better than over a line of labourers stretching along several furlongs of road. But, as observed by Mr. Quinn in his report on the district of Bhagalpur, the

labourers may secure some special, and probably illegitimate, advantage in tank work; this, however, should be prevented to a great extent by close supervision and strict measurement.

The highest average attendance on relief works was reached in the week ending the 2nd July, when the average daily number was 1,815 (1,060 men, 500 women, and 255 children). The rains set in from the beginning of this month, and by the middle of it the situation was so far relieved and the prospects of the *bhadoi* crop were so assured that the labourers rapidly dwindled away and the works were closed on the 23rd. The works undertaken consisted of three tanks, and the raising of five, and construction of two roads, of which only the tanks were finished. The rate during the first week or two was  $1\frac{1}{2}$  annas per 100 cubic feet to males, and one anna to females for a corresponding task. Subsequently the rate was lowered to  $1\frac{1}{4}$  annas for males. In Mr. Oldham's opinion this rate was not the least too high, and afforded as perfect a test as possible. Gratuitous relief was commenced in the latter part of February, and was continued till the 20th August, *i.e.*, a month longer than the works. The highest figure was reached in the week ending 5th March, when 250 persons were relieved. When the Lieutenant-Governor visited this district in the beginning of April, he saw the distribution of relief at Bakhtiarpur, and was pleased with the order and method observed. For the relief of women above the lowest orders,  $30\frac{1}{2}$  maunds of cotton were distributed to be spun into thread. The cost of the cotton was Rs. 542-13, and the value of the thread is estimated at Rs. 623, so that there is a probable gain of Rs. 80-13. Loans were confined to cultivators holding from 10 to 30 bighas of land. The total amount distributed was Rs. 19,088. There was no death from starvation, but the officer in charge of the relief operations came upon cases of destitution, discovered by personal enquiries, in which private charity had failed and state aid had to be given. There is nothing to indicate that the death-rate of the affected tract was in any way increased by the distress. In this district, as well as in Bhagalpur and Purnea to a certain extent, two roots, known as *chichar* and *bisaur*, proved a great help to the poorer classes. The former (*cyperus rotundus*) is a bulb somewhat like a very small potato, growing in low-lying swamps, and the latter is the root of an aquatic plant. Mr. Oldham has described how in every village a crowd of women and children might be seen digging up these roots and drying them for food, and he calculates that about 5,000 people were living more or less entirely on these roots.

The following zamindars came to the favourable notice of Government for their considerate treatment of their raiyats and their willing co-operation with the officials in the administration of relief:—Maharaja Ravaneswar Prasad Singh Bahadur of Gidhour, Babu Lachmi Prasad Singh of Saharpara in the Beguserai sub-division, Babu Kamaleswari Prasad of Monghyr, Babu Tarini Prasad and Chaudhri Mahbub Ali of Bakhtiarpur. They helped their raiyats by providing employment chiefly on irrigation and protective works, as well as by showing consideration in other ways. The estates of these proprietors, except the last, lie outside the Bakhtiarpur outpost where the Government relief operations were carried on; but there was quite sufficient pinching among the raiyats and labouring classes in the south of the district to afford scope for the benevolence of the zamindars. The Lieutenant-Governor appreciates the value of the services rendered by the gentlemen above-named, and desires that the thanks of Government may be conveyed to them in suitable terms.

Mr. R. M. Waller was in charge of the district until the 25th June, when he was succeeded by Mr. C. H. Vowell. During the latter's absence on short leave, the final report of the scarcity and relief was submitted by Mr. C. E. A. W. Oldham, who had been locally in charge of the relief operations, assisted by Babu Annada Charan Gupta, Sub-Deputy Collector.

6. Three tracts were specially affected in the district of Bhagalpur.

The first was a small area on the northern frontier of the district, lying west of the Birbandh; the second lay immediately round Supaul. In these tracts, each extending over an area of about 20 square miles, the distress was never very acute. The third tract of about 400 square miles was by far the largest and most seriously

affected. It extended from the Darbhanga boundary through the Bangaon thana of the Supaul sub-division and the Sadar thana of the Madhipura sub-division. The worst parts were those west of the Dimra, along the Darbhanga boundary and in the corner between Darbhanga and Monghyr. The three tracts together comprise 485 square miles, with a total population of 283,000. The Collector, Mr. Wace, who conducted the relief operations from February to May, was of opinion that the area affected was much larger, and the failure of each crop in it worse, than in 1888-89. The outturn of the *bhadoi* crops of 1891 was estimated by the local officers at only 3 or 4 annas in the affected tracts. An equally low estimate was formed of the winter rice crop in the affected parts, and it is stated that in the Bangaon thana the failure of this crop was all but complete, and that the yield of the *rabi* crops was less than 3 annas. But throughout the worst period the exports of food-grains by railway considerably exceeded the imports, the figures furnished for the months of December 1891 to August 1892, inclusive, being, exports 2,34,885 maunds, and imports 65,689 maunds (including 3,834 maunds of potatoes). This comparison shows that, though the food-stocks of the poorer classes were to a great extent depleted, while they stood in need of help in the shape of wages or loans to buy fresh supplies, the general store in and about the affected tracts was sufficient for local requirements. It has also been inferred by the Collector that the grain required for the food of the people in North Bhagalpur is very small in comparison with the quantity produced in normal years; for, although there was a failure of over 75 per cent. of the three principal crops, the prices, in spite of the quantities of grain exported, never reached famine point.

Work was first opened in the latter end of January on the Rajanpur embankment, in the Supaul sub-division, but was mismanaged, the work actually done being much too little and the wages paid too high. This was therefore no proper test of distress. Some tanks were taken in hand in February in both sub-divisions, but the relief operations cannot be said to have fairly commenced till the beginning of March; by the middle of that month 1,376 people were at work on them. Mr. H. R. H. Coxe, who succeeded Mr. Wace, reports that the first half of May was the most anxious time of the whole period of distress; there was hardly any rain, and it appeared probable that the young crops would wither, and that the rain would not come in time to allow the *bhadoi* rice to be properly sown. Rain, however, began to fall towards the end of May; the situation was then completely changed, and by the end of June the severity of the distress had passed. The daily average number of persons on relief works was highest in the second week of June, being 12,370 (6,333 men, 4,083 women, and 1,954 children); the numbers then declined owing to the vigour with which agricultural operations were carried on, and the excellent prospects of the crops, but it was not found possible to close the works finally till the 20th August, when the *bhadoi* rice came into the market. The works completed include one embankment, 26 tanks, and 10 roads. The Commissioner remarks that the fact that the value of the work done calculated at the normal rates considerably exceeds the amount expended in wages is evidence of good organization and supervision.

Gratuitous relief was not organised so soon in Bhagalpur as in other districts; the intention at first was that those who required such assistance should receive it at the works. A regular distribution of doles was commenced in the end of April, and closed in the third week of August simultaneously with the close of the relief works. The highest number of persons in receipt of gratuitous relief was 1,527 (399 men, 799 women and 329 children) in the week ending 23rd June. The recipients of gratuitous relief were in return required to spin cotton and, subsequently, to make string out of *sawai* grass. At first some pressure was required to get the work done, but, when the system was in full working order, it did not result in as large a diminution of attendance as might have been expected, thus showing that those who were not entirely helpless had by that time been more or less eliminated from the register.

The total sum advanced as loans was Rs. 37,180, of which the bulk was distributed between the middle of April and the middle of June.

There were no deaths from starvation, and it is evident that the distress never reached such a degree of intensity as to influence the death-rate materially.

The Lieutenant-Governor notices with great satisfaction the important part played by private relief in this district. The greatest assistance was given by the Maharaja of Sonbarsa, who spent Rs. 10,000 on the construction of a road, and excavated two large tanks. He has been made a Companion of the Order of the Indian Empire in recognition of his good services rendered on this occasion. The Maharaja of Darbhanga, who owns property in the tracts affected, spent Rs. 4,000 on tanks and Rs. 10,000 on advances, in addition to the expenditure incurred by him in the district of Darbhanga. Babu Ganput Singh distributed charitable aid and gave employment to labourers in the pargana of Harawat at a cost of about Rs. 5,000. He also made advances to cultivators to an almost equal amount. The Banaili Raj spent about Rs. 2,000 on relief works, and Rani Sitabati, Raja Padmanand Singh, and Babu Janardhan Singh of Barail each gave Rs. 1,000 in charity, the last-named gentleman devoting his own time and services to the distribution of his charity in accordance with the principles adopted by Government. Babu Tejendra Narain Singh distributed about Rs. 5,000 in the relief of distress. The total sum thus contributed towards the relief of distress was about Rs. 47,000, and His Honour desires that the thanks of Government may be conveyed to the donors individually for their liberality and public spirit. Sir Charles Elliott's thanks are due also to Mr. H. D. Christian, an indigo-planter of Bangaon, whose charge of the relief work near his factory took the place of official supervision. Mr. Maguire was officiating as Collector when the first measures for the administration of relief had to be taken: he was succeeded in February by Mr. Wace, who thoroughly organized the system to be followed and was in charge until 28th May, when Mr. Coxe relieved him. The Sub-divisional Officers of Supaul and Madhipur, respectively, were Babu Surya Kumar Sen and Babu Purna Chandra Gupta.

7. The area of actual distress in Purnea lay within well defined boundaries in the Kadwa and Amour thánas of the Sadar sub-division, and comprised in all 644 square miles, with a total population of 261,770 souls. The greater severity of distress in the Amour thána as compared with Kadwa is ascribed to the fact that the former is not so favourably situated as regards supplies as the latter, through which the railway runs with two stations, Katihar and Sonali, within the thána. The *bhadoi* crop of 1891 in the Sadar sub-division was estimated to have given an outturn of 6 to 12 annas. This was followed by a very poor winter rice crop in 1891-92, the estimated outturn in the affected tracts being only 2 annas, while the *rabi* ultimately yielded from 5 to 6 annas. The stock of food-grains had been much reduced by heavy sales in the previous year. This is borne out by the fact that there was no exportation of food-grains from the affected thánas, while between January and August about 1,76,090 maunds were imported from North Bihar, Bhagalpur, Malda, Bolepur and Nepal (until the Government of the country last-named prohibited exports). Numerous conflagrations occurred also, caused, it is said, by labourers with a view to stimulating the demand for labour. Some increase in crime also took place, attributable to the scarcity.

In this district relief was commenced about the same time as in Bhagalpur, and closed earlier than elsewhere, work having been opened on the 27th January and finally closed on the 28th May. The laying out of the works and the organization of labour were carefully carried out, but for a long time there was difficulty in exacting sufficient work from the labourers. Their numbers were too large for the officers available to supervise. This was noticed by the Commissioner, Mr. C. C. Quinn, early in March, and the introduction of the piece-work system under his orders effected some improvement in this respect from the latter end of the month; but the work done by each labourer continued to be very small till towards the end. In explanation of this, he states that the people of Purnea have never shown much aptitude for road work, and that the classes employed on the works were



enfeebled by fever which was very prevalent at that time. The cost of 1,000 cubic feet of earth work was at first so high as Rs. 6-2-5, and was gradually reduced to Re. 1-6-2 as better supervision was secured. The normal rate of cost in the district is Re. 1-12 to Re. 1-14 per 1,000 cubic feet. The highest daily average number of labourers employed was 4,826 (3,207 men, 917 women, and 702 children) in the week ending 12th March. Towards the end of April some 1,000 persons left the works on the introduction of lower rates of wages. About this time there was a sufficient fall of rain, which made work available at better rates elsewhere. Henceforward there was a steady reduction in the number of labourers. The works undertaken consisted of the raising of nine roads, of which three were finished.

Gratuitous relief, which in this district bore a larger proportion to works than elsewhere, was commenced on the 30th January, *i.e.*, about the same time as the relief works, but was continued nearly a month longer, having been closed on the 17th June. The highest number of persons on the register was 1,360 in the week ending 9th April. Some light work in the shape of making string from hemp and thread from cotton was done in return for the weekly doles. The total amount spent on gratuitous relief was Rs. 3,410 (including contingent expenditure of Rs. 211-12-7), of which Rs. 2,380 were borne by private subscriptions, the remainder devolving upon Government.

Enquiries in connection with the distribution of loans were more promptly undertaken in Purnea than in the other districts of the Bhagalpur Division. The advances amounted to Rs. 22,691, of which only Rs. 140 were granted under the Land Improvement Act, and the remainder under the Agriculturists' Loans Act. This form of relief was not, however, confined to the Kadiwa and Amour thánas, but was extended to a tract in the Sadar thána, a small portion of Gondwara, and the khas mahal estate Belwa in Manihari. Except in very exceptional cases no loans were allowed to cultivators who owned much less or much more than 20 bighas: the amounts varied from Rs. 2 to Rs. 30.

The rate of mortality was high in March and April, being just over 4 per cent., but this was due to the sickness of the year. A high death-rate, chiefly caused by fever, had set in long before the scarcity, and continued throughout. There were no deaths from starvation. Mr. C. H. Vowell was Collector of the district during the period of the relief operations; Mr. F. W. Duke, the Joint-Magistrate, was directly in charge of them, and worked with praiseworthy assiduity and energy. The completeness of the report of the scarcity and relief, submitted by Mr. Faulder, as Collector is appreciated by Government. His subordinates, Maulvi Muhamed Habibullah, Deputy Collector, and Maulvi Shah Muhamad Azam, Sub-Deputy Collector, have been specially mentioned to Government for the performance of their duties. The services rendered by Babu Dnaram Chand, a zamindar of this district, who gave loans and remitted rents where necessary, have already been acknowledged by Government.

8. Mr. A. C. Tute, by whom the final report has been submitted, has, in the absence of official documents, found difficulty in describing the earlier course of the scarcity and the measures taken to meet it. He assumed charge of the district on the 23rd November 1891; up to that date his predecessor and the District Engineer were in constant communication, but their correspondence was not brought on record. The want of such records must always cause great inconvenience, and the Lieutenant-Governor directs that, when distress is anticipated, and even before it is declared to exist, all the initial stages and steps taken should be carefully recorded for future reference.

The district of Dinajpur depends for its food-supply almost entirely on the winter harvest. The autumn rice is ordinarily a little over one anna of the whole produce, or about one-twelfth of the winter rice, while the *razbi*, which consists chiefly of oil-seeds, is of importance only as a money-producing crop like jute. The area affected in this district lay north of the Dinajpur branch of the Northern Bengal State Railway, extending over 1,030 square miles, with an estimated population of 447,000 persons. It comprised Western Thakurgaon, Ranisankoil thána, a part of the Pirganj thána in the Thakurgaon



subdivision, the Hemtabad thána, excluding Raiganj outpost, and a part of the Birganj thána in the Sadar sub-division. The tract lies between a line drawn from Birganj to Pirganj and the Railway. In this area there were bumper crops of winter rice and jute in 1890-91, the outturn of the autumn rice of 1891 was about 11 annas, and the yield of the winter rice of 1891-92 was estimated at three annas. As the ordinary condition of the people of Dinajpur in regard to the means of subsistence is distinctly above the average of Bengal, the distress in this district was never so acute as in Bihar. The Commissioner twice offered to find very remunerative work on the Duars Railway for the people of the tract where the failure had been greatest, but no one cared to migrate for this purpose. On the other hand, the villagers, who during the scarcity worked on roads for about half the current rate of wages, ordinarily decline such work on any terms, leaving it to immigrants from Bihar. This shows that, although the pressure never passed a certain point, there was unusual dearth of employment. No precise figures have been furnished by the Collector as to exports and imports, but it appears that from the district, as a whole, there was steady exportation to other districts, and that there was some importation of food-grains into the affected tracts from the south of the district. In Appendix II to this Resolution a table is given showing the prices of common rice which is the staple food of the district. But, as the Collector observes, as Dinajpur is a large exporting district, and two railways run through it, local prices are not governed by the quantity of grain stored in the district which would be available in a year of famine, but by the prices ruling in Calcutta or elsewhere, and are not therefore an infallible test for guidance. The ordinary cultivator always keeps a year's stock in hand before he sells anything, and is not affected by the prices ruling in the market until his stock is exhausted, when it is possible that he may have no money to buy, whatever the price may be.

About the 7th November, 1891, some relief works were opened in the extreme north of the district, and a daily wage of 3 annas was fixed, this being three-fourths of the ordinary rate in the district. In the course of a few days it came to light that the labourers would do no work, and Mr. Tute, soon after he had taken charge of the district, passed orders for strict task-work, which had the effect of closing the works altogether. The test applied by these works showed that an exaggerated idea had been formed of the distress then perceptible in the district. Mr. Tute stopped the preparation of formal lists of persons to be relieved, as improper claims for relief were advanced, and took other steps to allay the panic which prevailed at the time. He also noticed that the people were under the impression,—an idea fostered by persons who intended to profit by the situation,—that Government was going to stop exports and interfere with trade. He accordingly convened a meeting of all the traders in Raiganj, and told them that even if they brought out all their rice and burnt it he would not interfere. The opening of relief works was ultimately rendered necessary by the absence of the winter rain required to save the very large area sown in *rabi*. Relief works were opened in January, but there were no large numbers at work till about the middle of February, when the *rabi* had perished and the prospects of the *bhadoi* became gloomy. Heavy rain began to fall on the 16th March and changed the whole situation. The highest daily average number of labourers employed was 2,406 (1,995 men, 231 women, and 180 children) in the week ending 7th May. The number then gradually diminished until the works were closed on the 2nd July. During this period the rates of payment for labour were constantly regulated so as to prevent people from coming on the works who were not absolutely in need of employment. Work was undertaken on 16 roads and 3 tanks, none of which were finished during the period of distress.

No gratuitous relief was found necessary till after the close of the works, when, of the labourers who remained at the works till the last moment, about a dozen widows were found fit objects for charity. These women were taken care of until they were handed over to their zamindars, and the total amount spent under this head was Rs. 3-15. It was a satisfactory feature of the situation that the helpless poor were looked after by their zamindars, and in this respect all the zamindars in the district did their duty loyally, so that at no time was there an influx of beggars or cripples at the Government centres.

Several small *jotedars* (cultivators), who in ordinary years would have been helped by their mahajans, were at first refused assistance by them. They were in danger of having to sell their cattle and thus be deprived of the means of cultivating their fields. Steps were promptly taken to grant loans, and no sooner had a sum of Rs. 4,540 been thus advanced, than the mahajans and zamindars, knowing that the repayment of a Government loan would be a first charge, came forward, and thus the class of *jotedars* who might otherwise have suffered never came on the relief works at all. The total sum advanced was Rs. 5,838. There were no deaths from starvation. Mr. Tute makes the following deductions from the operations carried out, with which the Lieutenant-Governor desires to express his full concurrence:—

- 1st.—One year of scarcity will not cause a famine in this district. It may, and probably will, necessitate helping landless labourers to some extent, but as long as a *jotedar*, who cannot cultivate all his own land, has the means to do so, he will employ landless labourers;
- 2nd.—*takávi* loans are the best form of relief for small *jotedars* when mahajans refuse to lend; otherwise they are unnecessary. The issue of such loans has the effect of bringing out the mahajan's money, and the raiyats prefer dealing with him to dealing with Government for loans;
- 3rd.—in a year of scarcity like this, the zamindars of the district, if properly appealed to, are able and willing to cope with actual starvation and provide for the helpless;
- 4th.—the people of this as of all other districts are very easily demoralized, but are able to perceive that exceptional measures will not be taken solely because interested people desire them.

The Lieutenant-Governor desires to acknowledge Mr. Tute's judicious and efficient management of the scarcity and relief administration from almost the beginning to its close. Mr. Tute has brought to the notice of Government the services rendered by Babu Atul Krishna Mukharji, the District Engineer, who was indefatigable in visiting the works, watching their progress and controlling expenditure. The zamindar of Churaman is the only local resident specially mentioned for his charitable actions, but all the zamindars are said to have done their duty to the helpless and the poor.

9. Appendix III to this Resolution shows the progress of the relief operations in each district week by week, and in Appendix IV a diagram is given to illustrate the rise and fall of the numbers on relief works. The following is an abstract statement of the principal figures compared with those of 1873-74 and 1888-89:—

District.	REPAIR WORKS.					GRATUITOUS RELIEF.					ADVANCES.					
	Area of the district in square miles.	Total population of the district.	Number of square miles affected.	Population of the affected areas.	Duration of relief operations.	Largest number of labourers employed on any day.	Total amount disbursed in column 9.	Percentage on population, column 8.	Number relieved and date.	Largest number collected on any day.	Total amount disbursed.	Percentage on population, column 11.	Under the Land Improvement Loans Act.	Under the Agricultural Loans Act.	Total.	Per 100 of population in column 12 on 30-9-92.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Muzaffarpur	3,004	2,711,445	1,300	1,173,788	From end of February to 11th July.	14,147 in week ending 19th June.	12	Rs. 67,564 2 9	...	...	...	...	Rs. 4, 0 0	Rs. 4, 0 0	2 3 2	
Datibanga	3,835	2,801,065	1,156	150,000	From beginning of March to 29th July.	47,432 on 11th June.	870	21,324 0 2	1,570 in week ending 24th May.	13	1,741 6 4	25,810 0 0	79,172 0 0	31,572 0 0	21 3 11	
Monghyr	3,992	2,030,021	1,006	216,000	7th February to 29th August.	1,815 in week ending 2nd July.	54	4,172 13 11	274 in week ending 24th May.	11	1,393 10 5	19,058 28 0	10,888 13 0	4 13 5		
Bhagalpur	4,926	2,032,076	486	253,000	From middle of January to 2nd August.	12,370 in the second week of June.	14	62,605 16 6	1,227 in week ending 27th June.	54	5,411 9 9	36,486 0 0	57,180 0 0	13 2 2		
Purnea	4,994	1,944,035	644	261,770	From 27th January to 17th June.	4,826 in week ending 19th May.	10	30,577 15 1	1,253 in week ending 11th July.	52	3,198 5 11	23,655 0 0	22,621 0 0	9 2 4		
Dinajpur	2,329	1,513,380	1,030	417,000	From January to first week of July.	2,606 in week ending 7th May.	54	53,075 14 3	...	...	...	...	1,894 0 0	5,538 0 0	1 4 11	
Total for 1891-92	21,846	12,860,111	5,710	2,531,557	From January to latter end of August.	58,016	83	3,80,571 13 0	4,889	18	11,371 9 9	1,23,732 13 0	1,42,145 13 0	5 10 11		
1872-74	...	...	4,119	27,764,620	March to end of November.	1,770,782, middle of June.	60	10,80,000 0 0	7,81,943	43	2,81,000 0 0	...	49,00,000 0 0	23 14 8		
1883-89	...	...	1,519*	1,040,147	January to end of October.	41,612	356	4,19,288 2 11	4,100	4	27,068 12 13	69,977	2,21,620 15 6	2,91,955 12 0	27 12 9	

\* Includes 117 square miles affected by floods outside the drought-stricken areas in the district of Champaran.

10. The Lieutenant-Governor considers that in each district the necessities of the case were fully met by the measures taken. No poor-house relief or suspension of land revenue was found necessary at any stage of the distress. As far as is known, there were no deaths from starvation, and the people generally were as fit to work and as strong as they ever were, and the works carried out were sufficient to afford employment to those who required it. At the earlier stages there was a tendency to give too high wages, but as time went on, and experience was gained, they were sufficiently reduced to render the works attractive only to those who were really in need of relief. His Honour wishes to place on record his appreciation of the services of the Commissioners\* and District Officers concerned, all of whom, during a trying period, loyally carried out the orders of Government and acquitted themselves to his entire satisfaction.

\* Mr. D. R. Lyall, C.S.I. } Patna.  
 Mr. A. Forbes. }  
 Mr. C. C. Quinn. } Bhagalpur.  
 Mr. P. Nolan. } Rajshahi.

ORDER.—Ordered that this Resolution be published in the *Calcutta Gazette*, and that copies of it, bound up with copies of the final reports, be forwarded to all Commissioners of Divisions and submitted to the Government of India.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

*Secretary to the Government of Bengal.*



## APPENDIX II.

## COMPARATIVE STATEMENT OF PRICES OF THE PRINCIPAL FOOD GRAINS IN 1874, 1889, 1891 AND 1892.

*Muzaffarpur.*

PERIOD.	Common rice.				Wheat.				Makal or Indian-corn.				Mara.		
	1874.	1889.	1891.	1892.	1874.	1889.	1891.	1892.	1874.	1889.	1891.	1892.	1891.	1892.	
	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.
January ... { 1st fortnight	17 8	12 0	17 0	13 0	11 0	12 0	12 0	16 0	12 0	13 0	17 0	19 0	21 0	22 8	.....
... { 2nd ditto	10 0	13 0	15 0	12 0	13 0	12 0	12 0	16 0	12 0	12 0	17 0	15 0	20 0	20 4	.....
February ... { 1st fortnight	10 0	12 8	16 0	12 0	11 8	13 0	13 0	13 0	12 0	13 4	17 0	14 0	20 0	20 0	.....
... { 2nd ditto	10 0	13 8	18 0	12 0	12 0	12 0	12 0	13 0	12 8	18 0	14 0	17 8	20 0	20 0	22 8
March ... { 1st fortnight	9 8	13 0	15 0	12 0	12 0	13 0	12 0	12 0	12 8	19 0	17 8	20 0	21 4	21 0	.....
... { 2nd ditto	8 8	13 0	14 0	12 0	10 0	15 0	13 0	12 6	13 0	20 0	17 6	21 0	25 0	.....	.....
April ... { 1st fortnight	9 0	12 8	16 0	11 0	10 0	14 0	16 0	11 0	13 0	18 0	17 0	20 0	22 0	19 8	.....
... { 2nd ditto	8 8	11 0	15 0	11 0	10 0	12 8	16 0	11 0	12 8	18 0	16 0	17 0	20 0	18 0	.....
May ... { 1st fortnight	8 0	11 0	14 0	11 0	10 0	12 0	16 0	13 0	12 8	16 0	15 0	16 0	22 0	18 0	.....
... { 2nd ditto	8 8	12 0	15 0	11 8	11 8	13 0	17 0	13 8	13 0	16 0	16 0	17 0	20 0	18 0	.....
June ... { 1st fortnight	10 0	12 0	13 0	11 8	11 0	13 0	16 0	13 0	13 0	16 0	16 0	17 0	.....	18 2	.....
... { 2nd ditto	11 0	12 0	13 0	11 6	12 0	13 0	16 0	13 0	17 0	16 0	16 0	17 8	.....	18 4	.....
July ... { 1st fortnight	13 0	12 8	14 0	12 0	12 0	13 0	16 0	13 0	16 0	16 0	15 0	17 8	.....	19 0	.....
... { 2nd ditto	14 0	11 0	14 0	12 0	13 0	14 0	16 0	13 0	16 0	16 0	16 0	17 0	.....	.....	.....
August ... { 1st fortnight	13 0	12 0	13 0	11 8	13 0	13 8	16 0	13 0	15 0	16 0	15 0	17 0	.....	.....	.....
... { 2nd ditto	14 0	12 0	14 0	12 8	13 0	14 0	16 0	13 0	16 0	16 0	16 0	17 0	.....	.....	.....

*Darbhanga.*

Period.	COMMON RICE.				WHEAT.				MAKAL OR INDIAN-CORN.				MARUA.		
	1889.	1891.	1892.		1889.	1891.	1892.		1889.	1891.	1892.		1889.	1891.	1892.
	S. CH.	S. CH.	Darbhanga.	Madhubani.	S. CH.	S. CH.	Darbhanga.	Madhubani.	S. CH.	S. CH.	Darbhanga.	Madhubani.	S. CH.	S. CH.	S. CH.
January ... { 1st fortnight	13 12	17 0	14 0	14 0	16 8	13 8	14 4	14 0	18 0	18 8	20 14	21 0	19 12	25 6	19 12
... { 2nd ditto	14 0	17 0	15 3	14 0	12 0	13 0	13 3	14 0	19 12	15 0	20 11	22 0	19 0	24 0	19 12
February ... { 1st ditto	15 8	17 0	13 0	14 0	16 0	10 8	13 3	14 0	18 0	18 11	21 0	22 0	20 4	24 3	20 0
... { 2nd ditto	15 8	17 0	12 1	13 8	16 8	13 0	12 1	14 0	17 8	15 8	21 0	19 0	19 12	23 0	18 11
March ... { 1st ditto	14 4	15 0	12 1	13 0	14 4	10 0	12 1	13 0	19 12	18 0	19 0	19 0	19 12	23 0	18 11
... { 2nd ditto	15 0	14 0	12 1	13 0	18 4	14 0	13 3	12 8	21 6	13 0	19 12	19 0	20 9	27 0	18 11
April ... { 1st ditto	14 13	14 0	12 8	12 0	13 11	14 0	13 3	12 0	20 9	14 0	18 11	14 0	20 9	27 0	18 11
... { 2nd ditto	13 2	13 0	12 5	12 0	13 11	14 0	13 4	12 0	19 6	13 0	17 0	17 8	18 4	25 0	18 11
May ... { 1st ditto	12 0	15 0	12 1	11 12	13 11	10 8	13 3	12 0	16 0	14 0	17 9	18 8	17 5	25 0	17 9
... { 2nd ditto	13 4	15 0	12 0	12 0	14 5	10 8	13 3	10 4	16 0	18 0	17 0	15 12	17 5	25 0	17 10
June ... { 1st ditto	12 0	15 0	12 0	12 0	13 11	14 0	13 3	10 4	16 0	14 0	17 0	15 12	17 10	24 0	18 0
... { 2nd ditto	11 6	14 4	12 0	14 0	14 13	13 0	13 3	19 8	14 13	17 9	17 0	16 0	17 2	25 4	17 10
July ... { 1st ditto	12 8	15 6	12 1	13 0	14 4	16 8	12 10	13 0	17 2	17 8	17 0	17 0	17 2	24 0	17 10
... { 2nd ditto	13 6	14 4	12 10	13 0	15 5	15 10	12 1	12 0	.....	19 0	16 8	22 0	17 2	20 8	16 8
August ... { 1st ditto	12 5	13 12	12 10	.....	14 13	16 8	12 1	.....	.....	19 12	17 0	.....	17 2	23 2	17 1
... { 2nd ditto	12 0	14 4	13 12	.....	13 12	15 6	12 10	.....	17 2	22 0	18 0	.....	20 9	26 0	27 8 (new)

*Monghyr.*

PERIOD.	COMMON RICE.					WHEAT.					MAKAL OR INDIAN-CORN.				
	1874.	1889.	1891.	1892.		1874.	1889.	1891.	1892.		1874.	1889.	1891.	1892.	
	S. CH.	S. CH.	S. CH.	Monghyr.	Bakhtapur.	S. CH.	S. CH.	S. CH.	Monghyr.	Bakhtapur.	S. CH.	S. CH.	S. CH.	Monghyr.	Bakhtapur.
January ... { 1st fortnight	11 5	15 4	17 13	12 0	.....	13 0	14 11	15 3	13 0	.....	14 7	17 13	21 4	19 8	.....
... { 2nd ditto	12 0	17 1	16 13	12 9	.....	13 6	15 3	12 10	13 10	.....	14 1	16 13	21 0	20 7	.....
February ... { 1st fortnight	11 5	16 8	16 12	12 0	12 0	13 6	15 0	12 9	13 14	.....	14 7	16 4	18 14	21 0	.....
... { 2nd ditto	12 5	16 8	16 12	11 11	12 0	14 7	15 12	11 9	13 10	.....	14 7	16 1	18 14	18 14	16 0
March ... { 1st fortnight	11 5	15 8	14 11	11 0	12 0	13 6	15 12	15 12	14 2	.....	14 7	16 12	22 0	19 6	15 0
... { 2nd ditto	12 6	14 12	13 10	10 8	12 0	14 7	17 9	15 12	13 13	.....	14 7	15 14	.....	13 6	.....
April ... { 1st fortnight	12 6	13 12	13 9	10 4	10 8	15 2	18 14	15 11	13 12	13 4	14 7	19 14	19 2	19 12	15 0
... { 2nd ditto	10 5	13 2	13 0	10 8	10 8	15 7	16 13	16 0	12 9	13 0	15 7	21 10	16 0	16 0	.....
May ... { 1st fortnight	10 5	11 0	13 14	11 0	10 8	17 8	16 4	10 4	15 0	13 0	15 7	19 12	14 1	13 12	15 0
... { 2nd ditto	10 5	11 0	13 10	11 4	10 8	15 2	16 4	10 13	14 7	12 8	15 7	9 8	15 12	13 12	.....
June ... { 1st fortnight	12 7	14 0	14 11	10 12	11 0	16 7	17 5	17 1	13 8	12 8	15 2	8 6	16 13	15 0	.....
... { 2nd ditto	12 7	12 1	14 3	11 0	10 8	15 7	16 4	17 12	14 3	11 0	15 2	10 8	16 13	15 12	.....
July ... { 1st fortnight	13 6	15 1	13 14	10 0	10 0	16 8	16 13	17 5	13 0	12 0	16 8	16 12	16 13	15 0	.....
... { 2nd ditto	14 0	11 14	14 6	11 14	10 0	16 8	16 12	17 5	13 5	.....	16 8	21 0	.....	13 0	.....
August ... { 1st fortnight	13 6	11 10	14 8	10 0	.....	16 8	15 15	17 0	13 0	.....	16 8	17 14	.....	20 0	.....
... { 2nd ditto	10 8	12 1	14 8	11 8	.....	15 7	16 13	15 0	13 8	.....	13 1	21 0	.....	23 0	.....

Bhagalpur.

PERIOD.	Common rice.				Wheat.				Makar or Indian-corn.				Marau.		Kuthi.	
	1874.		1880.		1891.		1892.		1874.		1880.		1891.		1892.	
	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.
January ... {1st fortnight	12 10	10 13	18 15	14 5	13 4	15 2	15 2	12 11	15 12	17 10	20 3	18 15	23 13	26 0	23 12	26 0
... {2nd ditto	12 10	16 0	18 15	14 5	12 10	15 2	13 11	12 10	14 8	17 2	20 3	18 15	23 13	26 0	23 12	26 0
February ... {1st fortnight	11 0	15 12	17 11	13 13	13 4	15 2	13 0	12 10	14 8	17 0	20 3	18 15	23 13	26 0	23 12	26 0
... {2nd ditto	11 0	15 2	17 11	13 5	13 15	15 2	13 1	12 10	14 8	16 0	20 3	16 12	21 2	23 8	23 8	23 8
March ... {1st fortnight	11 13	15 2	17 11	12 8	14 5	15 12	12 10	13 10	15 2	17 10	20 3	16 6	20 13	20 5	20 0	20 0
... {2nd ditto	11 6	14 8	15 12	11 11	15 2	16 10	15 7	13 4	15 2	17 10	20 3	17 10	20 13	20 5	20 0	20 0
April ... {1st fortnight	11 6	14 8	15 2	11 12	15 2	16 11	15 12	13 4	15 12	17 10	20 3	16 12	20 3	16 6	14 8	19 0
... {2nd ditto	10 1	13 4	15 2	11 13	13 11	16 6	15 2	12 10	15 12	17 10	20 3	16 12	20 3	16 6	17 5	18 14
May ... {1st fortnight	10 1	13 4	15 2	11 14	13 11	15 2	16 6	13 10	15 2	16 12	20 3	16 6	20 3	16 6	14 8	19 0
... {2nd ditto	10 11	12 10	14 8	12 0	13 14	15 7	16 6	13 14	15 2	16 6	20 3	16 6	20 3	16 6	17 5	18 14
June ... {1st fortnight	11 6	13 4	15 2	11 12	13 11	14 8	16 6	13 14	14 0	16 6	20 3	15 12	16 0	16 5	18 0	18 0
... {2nd ditto	11 6	12 8	15 2	11 12	14 8	15 12	17 0	13 14	15 2	16 6	20 3	15 12	16 0	16 5	18 0	18 0
July ... {1st fortnight	12 10	12 10	15 2	11 5	15 3	15 12	16 6	13 14	15 2	16 6	20 3	15 12	16 8	16 3	16 3	16 3
... {2nd ditto	12 0	12 10	15 2	11 9	14 5	15 12	16 6	13 14	15 2	17 10	20 3	13 14	19 0	16 0	16 0	16 0
August ... {1st fortnight	12 10	12 10	14 8	11 12	15 2	16 6	16 6	13 14	18 15	21 7	21 0	15 2	21 8	15 1	15 1	15 1
... {2nd ditto	12 0	12 10	14 8	15 0	15 2	16 6	15 2	13 14	21 7	21 7	25 4	25 4	20 0	14 14	14 14	14 14

Purnea.

Periods.		Common Rice.				Wheat.				Makar or Indian-corn.			
		1874.	1880.	1890.	1892.	1874.	1880.	1890.	1892.	1874.	1880.	1890.	1892.
		S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.
January ..	{ 1st fortnight	11 0	17 0	19 0	17 0	11 0	13 0	16 0	11 0	12 0			17 0
	{ 2nd ditto	9 0	17 0	19 0	17 0	11 0	13 4	16 0	11 0				17 0
February ..	{ 1st fortnight	8 0	17 0	19 0	14 0	10 0	13 0	16 0	11 0			18 0	17 0
	{ 2nd ditto	10 5	18 0	19 0	14 0	11 6	12 0	14 0	14 0			20 0	16 0
March ..	{ 1st fortnight	13 0	16 0	18 0	11 0	12 0	13 0	14 0	11 0		10 0	20 0	18 0
	{ 2nd ditto	13 0	15 0	18 0	11 0	12 0	13 0	14 0	11 0			20 0	16 0
April ...	{ 1st fortnight	10 8	16 0	18 0	11 5	12 0	16 0	14 0	11 0	13 4		20 0	16 0
	{ 2nd ditto	11 0	15 0	18 0	12 0	12 0	14 0	16 0	16 0	16 0			16 0
May ...	{ 1st fortnight	11 0	17 0	18 0	12 0	12 0	16 0	16 0	13 0	14 0			16 0
	{ 2nd ditto	9 0	16 0	18 0	11 8	11 0	20 0	16 0	12 0	13 0			16 0
June ...	{ 1st fortnight	10 4	14 0	18 0	12 0	11 8	15 0	16 0	12 0	12 0		20 0	16 0
	{ 2nd ditto	10 0	13 0	18 0	10 0	12 0	14 0	20 0	11 0				15 0
July ...	{ 1st fortnight	10 8	11 8	18 0	11 0	13 0	16 0	18 0	11 0				14 0
	{ 2nd ditto	11 0	13 0	18 0	12 0	13 0	14 0	18 0	11 0				14 0
August ..	{ 1st fortnight	11 0	11 0	18 0	12 0	16 0	15 0	18 0	12 0				16 0
	{ 2nd ditto	13 0	11 0	16 0	13 0	14 0	15 0	18 0	11 0				16 0
		New Phadon.											

Dinajpur.

Period.		Common rice.			
		1874.	1880.	1891.	1892.
		S. CH.	S. CH.	S. CH.	S. CH.
January ... {1st fortnight	...	13 4	19 5	19 4	12 8
... {2nd do.	...	13 4	17 1	15 0	12 0
February ... {1st fortnight	...	14 0	17 0	18 0	13 0
... {2nd do.	...	11 0	19 3	18 0	12 0
March ... {1st fortnight	...	12 12	19 3	18 0	11 0
... {2nd do.	...	10 12	19 3	18 0	12 0
April ... {1st fortnight	...	9 0	19 4	18 0	12 0
... {2nd do.	...	8 2	15 8	15 0	11 0
May ... {1st fortnight	...	8 8	15 8	15 0	12 0
... {2nd do.	...	8 8	16 6	16 12	12 0
June ... {1st fortnight	...	9 6	14 4	16 12	11 0
... {2nd do.	...	9 0	13 4	16 12	10 3
July ... {1st fortnight	...	11 0	13 12	15 0	10 3
... {2nd do.	...	12 0	14 5	16 8	11 0
August ... {1st fortnight	...	13 0	14 5	16 10	11 0
... {2nd do.	...	12 12	16 8	16 10	15 10 (new bladder.)

APPENDIX III.



APPENDIX

Statement of famine relief

BALIED									
District.	Month and week.	A and B labourers.						C	
		Average number of male units employed daily.	Total amount of earth-work done.	Total wage paid.	Average work done per male unit per diem.	Average daily wage per male unit.	Average cost per 1,000 cubic feet.	Average number of male units employed daily.	Total wage paid.
1	2	3	4	5	6	7	8	9	10
Mussaffarpur.	March	Week ending 18th ...	180	* C. P. 82,150	Rs. A. P. 82 0 7	C. P. 102'94	Rs. A. P. 0 1 8	1 0 0	.....
		" 18th ...	945	833,307	518 5 11	80'83	0 1 4	1 0 3	.....
		" 20th ...	1,233	863,866	863 12 3	87'24	0 1 7	1 0 3	.....
		" 22nd ...	1,550	1,137,936	1,133 3 3	104'28	0 1 8	1 0 3	.....
	April	" 2nd ...	2,533	1,013,668	1,000 0 11	107'94	0 1 9	1 0 5	.....
		" 4th ...	2,947	2,310,637	2,303 18 9	111'81	0 1 10	1 0 4	.....
		" 16th ...	3,444	2,667,329	2,654 3 10	110'63	0 1 9	0 15 11	.....
		" 23rd ...	4,321	3,204,431	3,200 15 4	104'00	0 1 9	1 0 9	.....
		" 26th ...	3,703	2,243,214	2,247 1 2	84'26	0 1 6	1 2 3	.....
	May	" 7th ...	4,104	2,590,633	2,587 3 4	80'84	0 1 8	1 3 2	.....
		" 14th ...	5,759	3,193,703	3,133 3 11	87'70	0 2 0	1 4 10	9
		" 21st ...	9,402	5,730,130	7,398 9 7	84'75	0 1 9	1 4 7	32
		" 28th ...	11,130	7,060,903	6,250 8 2	91'15	0 1 11	1 4 11	54
	June	" 4th ...	12,730	8,550,137	11,007 3 0	93'42	0 2 0	1 5 2	.....
		" 11th ...	8,428	5,729,340	7,013 1 11	97'30	0 1 11	1 1 0	.....
		" 18th ...	0,585	3,833,021	4,405 0 1	83'87	0 1 0	1 2 2	.....
		" 25th ...	4,800	2,222,303	2,231 9 7	66'06	0 1 6	1 7 3	.....
	July	" 2nd ...	1,802	922,008	1,226 1 11	73'43	0 1 7	1 5 5	.....
		" 9th ...	296	108,324	223 5 9	24'00	0 1 10	2 1 6	.....
		" 16th ...	26	6,540	17 1 0	44'40	0 1 6	2 0 0	.....
		Total	.....	55,343,463	67,543 14 2	.....	.....	.....	40 4 0
		Average	4,301	.....	.....	102'13	0 1 10	1 2 6	4
Darbhanga.	March	Week ending 18th ...	146	61,680	112 0 6	63'2	0 2 3	2 3 8	.....
		" 18th ...	1,302	620,131	1,298 1 8	66'9	0 2 1	2 1 8	244
		" 24th ...	2,871	954,829	2,162 15 10	47'3	0 1 9	2 4 9	273
	April	" 2nd ...	3,658	1,345,480	2,070 9 7	54'1	0 1 7 1/2	1 14 0	406
		" 9th ...	4,090	2,408,751	4,304 2 0	49'5	0 1 4 1/2	1 10 0	761
		" 16th ...	5,322	2,118,724	2,867 15 9	51'4	0 1 2 1/2	1 5 8	303
		" 23rd ...	11,731	3,890,775	3,763 2 0	47'3	0 1 10 1/2	1 7 9	906
		" 30th ...	15,539	5,544,017	7,216 1 3	40'1	0 1 6 1/2	1 4 9	1,129
	May	" 7th ...	17,606	5,400,680	6,449 4 6	43'0	C 1 11	1 9 2	738
		" 14th ...	22,102	8,012,423	14,047 5 6	51'6	0 1 6	1 13 3	414
		" 21st ...	20,060	11,102,203	20,235 0 4	54'8	0 1 7	1 13 1	1,316
		" 28th ...	28,062	12,652,140	21,424 10 5	59'4	0 1 8	1 12 6	1,311
	June	" 4th ...	31,072	14,982,731	20,265 9 7	60'5	0 1 8 1/2	1 12 4	2,327
		" 11th ...	34,350	15,946,697	20,110 10 4	62'6	0 1 7 1/2	1 10 2	2,931
		" 18th ...	29,178	12,537,051	19,106 7 0	61'3	0 1 6	1 8 4	2,091
		" 25th ...	20,865	9,403,354	12,064 11 4	64'9	0 1 4 1/2	1 5 2	2,204
	July	" 2nd ...	13,400	6,098,046	8,162 0 5	64'5	0 1 4 1/2	1 5 5	1,509
		" 9th ...	9,923	4,509,829	5,121 0 2	61'0	0 1 4 1/2	1 5 0	1,010
		" 16th ...	6,774	3,815,469	3,654 13 0	29'4	0 1 3 1/2	1 6 1	555
		" 23rd ...	4,794	1,028,007	1,268 16 6	71'3	0 1 5	1 4 1	267
		Total	.....	121,336,913	1,96,212 6 8	.....	.....	.....	8,301 9 6
		Average	15,485	.....	.....	57'6	0 1 5 1/2	1 9 0	1,120
Monsieur.	February	Week ending 13th ...	186	14,020	105 10 7	13	0 1 6	7 9 0	.....
		" 20th ...	301	193,034	199 14 6	91 1/2	0 1 4	0 15 0	.....
		" 27th ...	574	318,202	335 2 3	79	0 1 5	1 1 0	.....
	March	" 6th ...	63	46,301	47 5 6	79	0 1 2	1 0 0	13
		" 13th ...	160	68,550	67 5 8	65	0 0 11 1/2	1 1 0	17
		" 20th ...	76	34,904	34 2 3	65 1/2	0 1 1	0 15 6	11
	April	" 2nd ...	65	17,308	21 11 0	38 1/2	0 0 9	1 4 2	10
		" 9th ...	25	7,271	8 14 9	40	0 0 11 1/2	1 3 0	4
		" 16th ...	20	4,883	7 3 0	27	0 0 8	1 6 0	8
		" 23rd ...	36	8,443	13 6 9	35	0 0 9	1 7 0	6
	May	" 30th ...	34	9,653	15 12 0	40	0 0 11 1/2	1 7 0	14
		" 7th ...	31	11,035	12 12 3	63	0 0 11	1 2 0	16
		" 14th ...	22	4,403	4 9 0	39	0 0 6	1 2 0	11
		" 21st ...	30	12,623	14 14 0	44	0 0 11 1/2	1 4 0	7
	June	" 28th ...	779	117,318	204 15 0	22	0 0 7	1 12 0	9
		" 4th ...	682	207,789	383 4 3	31	0 0 11 1/2	1 13 6	11
		" 11th ...	1,007	119,146	220 11 0	17	0 0 6	1 15 0	83
		" 18th ...	746	209,617	427 15 0	40	0 1 3	1 9 0	53
	July	" 25th ...	591	221,468	517 14 9	53	0 2 0	2 5 3	108
		" 2nd ...	1,400	501,333	735 6 6	61	0 1 2	1 7 2	145
		" 9th ...	700	313,509	374 10 6	61	0 1 2	1 5 1	113
		" 16th ...	500	10,460	301 9 3	54	0 1 6	2 14 6	39
	August	" 23rd ...	82	13,192	17 14 3	27	0 1 3	1 5 9	8
		" 30th ...	.....	.....	.....	.....	.....	.....	.....
		" 6th ...	.....	.....	.....	.....	.....	.....	.....
		" 13th ...	.....	.....	.....	.....	.....	.....	.....
		" 20th ...	.....	.....	.....	.....	.....	.....	.....
		Total	.....	2,629,719	3,972 4 8	.....	.....	.....	180 9 8
		Average	543	.....	.....	44	0 1 1 1/2	1 9 1 1/2	30

\* Mussaffarpur, Column 4.—Besides earthwork, 12,450 c.ft. of quarrying kunkar, and 1,714,507 square feet of turling were done from the week ending 21st inclusive turling, and average cost of the

rations in 1892.

RS.		GRATUITOUS RELIEF.				Total outlay on relief works and gratuitous relief. (Total of columns 13 and 16).	Cost of establishment and other charges.	Grand Total.	REMARKS.
Rs.	A, B and C together.	Average number of adult units relieved daily.	Total amount disbursed.	Average cost per head per diem.					
11	12	13	14	15	16	17	18	19	20
A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
.....	160	33 0 7	.....	.....	.....	33 0 7	.....	.....	"A" stands for labourers paid by piece-work, "B" for labourers paid by task-work, and "C" for labourers paid by the day. In the case of relief works women and children are reduced to male units by taking each woman as three-fourths, each big child (above eight years) as one-half, and each small child as one-fourth of a man, and for gratuitous relief, each adult, whether male or female, counts as a unit, and each child as a half.
.....	045	843 5 11	.....	.....	.....	843 5 11	.....	.....	
.....	1,253	843 12 3	.....	.....	.....	843 12 3	.....	.....	
.....	1,650	1,153 3 3	.....	.....	.....	1,153 3 3	.....	.....	
.....	2,533	1,900 0 11	.....	.....	.....	1,921 0 11	.....	.....	
.....	2,907	2,305 15 9	.....	.....	.....	2,305 15 9	.....	.....	
.....	8,441	2,654 5 10	.....	.....	.....	2,654 5 10	.....	.....	
.....	4,324	3,831 15 4	.....	.....	.....	3,831 15 4	.....	.....	
.....	3,733	2,907 1 2	.....	.....	.....	2,907 1 2	.....	.....	
.....	4,104	3,097 3 4	.....	.....	.....	3,097 3 4	.....	.....	
0 1 1	5,704	5,139 8 8	.....	.....	.....	5,139 8 8	.....	.....	* Includes Rs. 1,368-1-2, cost of land acquired.
0 1 0	9,451	7,441 7 10	.....	.....	.....	7,441 7 10	.....	.....	
0 0 11	11,174	8,273 9 2	.....	.....	.....	8,273 9 2	.....	.....	
.....	12,776	11,067 3 0	.....	.....	.....	11,067 3 0	.....	.....	
.....	8,428	7,013 1 11	.....	.....	.....	7,013 1 11	.....	.....	
.....	6,606	4,405 0 1	.....	.....	.....	4,405 0 1	.....	.....	
.....	4,806	3,231 0 7	.....	.....	.....	3,231 0 7	.....	.....	
.....	1,803	1,250 1 11	.....	.....	.....	1,250 1 11	.....	.....	
.....	224	228 8 9	.....	.....	.....	228 8 9	.....	.....	
.....	30	17 1 0	.....	.....	.....	17 1 0	.....	.....	
.....	.....	67,354 2 0	.....	.....	.....	67,354 2 0	11,637 0 3*	79,911 3 0	
1 0	4,378	.....	.....	.....	.....	.....	.....	.....	* Relief works were actually closed on the 19th, so that the figures given for this week as to works are for three days only.
.....	116	143 0 0	.....	.....	.....	143 0 0	.....	.....	
1 0	1,636	1,374 12 2	.....	.....	.....	1,374 12 2	.....	.....	
1 0	3,141	2,312 5 7	.....	.....	.....	2,312 5 7	.....	.....	
1 0	4,062	2,707 1 4	.....	.....	.....	2,707 1 4	.....	.....	
1 0	8,457	5,235 1 6	.....	.....	.....	5,235 1 6	.....	.....	
1 0	6,405	3,034 12 6	.....	.....	.....	3,034 12 6	.....	.....	
1 0	13,717	6,247 2 8	23	4 0 3	0 0 3	6,247 2 8	.....	.....	
1 0	17,068	7,704 9 9	90	23 10 9	0 0 7	7,704 9 9	.....	.....	
0 11	18,344	8,791 0 0	100	25 8 9	0 0 61	8,829 9 3	.....	.....	
1 0	22,510	14,406 13 8	137	34 12 2	0 0 61	14,406 13 8	.....	.....	
1 0	30,372	20,871 1 3	455	108 1 7	0 0 61	20,871 2 12	.....	.....	
1 0	39,273	25,017 2 2	1,286	275 6 10	0 0 61	25,017 2 10	.....	.....	
1 0	87,200	27,252 6 2	622	112 7 0	0 0 61	27,254 13 8	.....	.....	
1 0	30,271	27,323 13 4	735	170 11 9	0 0 6	27,323 13 4	.....	.....	
0 10 1	31,440	30,114 14 0	761	170 3 11	0 0 61	30,114 14 0	.....	.....	
0 8	21,004	15,251 6 1	757	170 12 2	0 0 61	15,251 6 1	.....	.....	
0 8	14,900	8,507 3 8	783	181 15 7	0 0 61	8,507 3 8	.....	.....	
0 8	10,530	6,321 0 6	431	90 3 6	0 0 61	6,321 0 6	.....	.....	
0 8 1	7,329	4,053 9 6	384	59 0 10	0 0 61	4,053 9 6	.....	.....	
0 7 1	5,631	1,231 13 0	08	23 7 9	0 0 61	1,231 13 0	.....	.....	
.....	.....	2,03 51 0 2	.....	1,541 0 4	.....	2,03,053 6 0	66,001 1 6	2,71,956 7 11	† Includes Rs. 484-6-3 on account of cotton-spinning and the relief of straggling beggars.
0 10 1	16,003	.....	481	.....	0 0 6 1/2	.....	.....	.....	
.....	126	155 10 7	.....	.....	.....	155 10 7	.....	.....	
.....	301	180 14 0	143	82 9 0	0 0 8	607 9 9	.....	.....	
.....	574	335 2 3	.....	.....	.....	.....	.....	.....	
0 6	1004	50 4 3	230	100 7 0	0 0 6 1/2	231 5 11	.....	.....	
0 6	1481	70 10 8	.....	.....	.....	.....	.....	.....	
0 6	87	80 5 3	160	76 3 9	0 0 6	120 7 6	.....	.....	
0 7	62	10 14 0	.....	.....	.....	.....	.....	.....	
0 8	81	23 7 6	151	55 3 9	0 0 5	56 7 3	.....	.....	
0 0	39	0 12 0	.....	.....	.....	.....	.....	.....	
0 6	204	7 4 0	108	66 3 9	0 0 4 1/2	104 13 0	.....	.....	
0 7	41	15 13 3	.....	.....	.....	.....	.....	.....	
0 0	46	10 13 0	.....	.....	.....	.....	.....	.....	
1 0	47	30 0 0	194	48 8 3	0 0 6	47 8 3	.....	.....	
0 10	36	9 11 3	216	46 2 9	0 0 6	45 13 3	.....	.....	
0 10	43	17 7 0	518	40 8 6	0 0 6	40 13 6	.....	.....	
0 8	788	307 14 8	817	46 13 9	0 0 6	368 13 5	.....	.....	
0 8	972	396 7 0	220	50 4 9	0 0 6 1/2	434 11 9	.....	.....	
0 5	1,040	231 11 0	236	40 3 6	0 0 6	231 13 3	.....	.....	
0 7	798	443 0 8	250	40 0 0	0 0 6	402 0 3	.....	.....	
0 6	609	643 10 6	211	53 13 3	0 0 7	590 7 9	.....	.....	
0 0	1,544	775 9 6	242	54 13 0	0 0 6	830 7 3	.....	.....	
0 8	815	448 10 3	245	40 3 3	0 0 6	401 13 6	.....	.....	
0 8	330	313 6 9	211	53 8 5	0 0 6 1/2	243 13 0	.....	.....	
0 8	84	19 10 3	197	51 6 0	0 0 7	70 0 3	.....	.....	
.....	.....	.....	198	51 1 6	0 0 7	51 1 6	.....	.....	
.....	.....	.....	200	51 11 0	0 0 7	51 11 0	.....	.....	
.....	.....	.....	182	30 6 3	0 0 6	30 6 3	.....	.....	
.....	.....	.....	188	30 6 3	0 0 6	30 6 3	.....	.....	
.....	.....	4,182 13 11	.....	1,104 10 0	.....	5,310 8 8	896 8 1 1/2	5,803 14 11	
0 0 7 1/2	573	.....	200	.....	0 0 6	.....	.....	.....	

lay to the close of the relief works, and columns 3, 5, 12, 13, 17 and 19 include figures on account of these works. The average rate given for earthwork carrying kunkar was Rs. 1-6 per 100 cubic feet.

District.	Month and week.	A and B labourers.							C. la	
		Average number of male units employed daily.	Total amount of earth-work done.	Total wage paid.	Average work done per male unit per diem.	Average daily wage per male unit.	Average cost per 1,000 c. cu. feet.	Average number of male units employed daily.	Total wage paid.	
1	2	3	4	5	6	7	8	9	10	
Bhagalpur.	January ... { Week ending 23rd ...		C. ft.	Rs. A. P.	C. ft.	Rs. A. P.	Rs. A. P.		Rs. A. P.	
	" " 30th ...	94,575	No information.				230	31 14 6		
	February { " 6th ...	59,431					768	283 14 9		
	" " 13th ...	144,070					780	170 12 6		
	" " 20th ...	62,335					1,078	421 3 3		
	" " 27th ...						1,947	245 5 0		
	March { " 6th ...	495	164,108	225 12 0	47 1/2	0 0 1 1/2	1 4 0			
	" " 13th ...	581	334,751	421 3 3	54	0 1 1	1 4 0			
	" " 20th ...	2,016	848,320	1,411 11 8	81	0 2 3	1 10 0			
	" " 27th ...	3,459	1,040,973	1,559 10 3	61	0 1 7 1/2	1 11 0	7		
	Week ending 31st ...	3,503	1,113,701	2,019 11 0	46 1/2	0 1 4	1 13 0	94		
	April { " 7th ...	4,048	1,638,586	1,951 1 9	37	0 1 1	1 14 0	212		
	" " 14th ...	5,311	1,913,764	2,740 8 7	44	0 1 2 1/2	1 11 0	413		
	" " 21st ...	5,855	1,910,921	3,270 6 10	47	0 1 3 1/2	1 11 0	613		
	" " 28th ...	6,897	1,932,980	3,315 6 3	40	0 1 1 1/2	1 11 0	504		
	May { " 6th ...	7,377	2,001,870	3,618 13 9	47 1/2	0 1 1 1/2	1 13 0	487		
	" " 13th ...	8,134	2,531,209	4,311 14 3	44	0 1 2 1/2	1 12 0	165		
	" " 20th ...	8,543	2,404,983	4,311 13 7	40	0 1 3	1 15 0	134		
	" " 27th ...	9,351	2,617,554	5,246 9 3	40	0 1 3	2 0 0	122		
	June { " 2nd ...	8,438	2,310,263	5,094 13 2	37	0 1 3 1/2	2 3 0	702		
	" " 9th ...	8,432	1,897,741	4,146 7 8	34	0 1 1 1/2	2 1 0	1,733		
	" " 16th ...	4,948	1,453,773	2,891 3 11	45	0 1 4 1/2	1 13 0	1,183		
	" " 23rd ...	2,430	1,429,417	2,463 3 6	33	0 1 1 1/2	1 14 0	300		
	July { For nine days ending 2nd ...	4,928	1,782,397	2,091 1 1	40	0 1 2	1 8 0	210		
" " Week ending 9th ...	2,545	723,182	1,967 2 1 1/2	45	0 1 3	1 12 0	213			
" " 16th ...	2,241	703,144	1,112 15 5	43	0 1 2 1/2	1 11 0	219			
" " 23rd ...	1,180	643,753	524 0 7	48	0 1 1 1/2	1 8 0	215			
" " 30th ...	1,173	643,749	604 15 6	53 1/2	0 1 2	1 6 0	193			
August { " 6th ...	1,201	450,185	604 14 4	53	0 1 3	1 8 0	184			
" " 13th ...	1,311	357,328	518 0 2	40 1/2	0 1 2 1/2	1 8 0	132			
" " 20th ...	651	236,946	338 9 5	50 1/2	0 1 3	1 6 0	131			
Total		32,405,710	5,122 11 7				4,347 13 1			
Average		424 1/2		43	0 1 3	1 12 0	472			
Farruk.	January ... { Four days ending 3th ...	168	12,018	72 2 3	17	0 1 6	5 9 2	45	14 0 3	
	" " Week ending 6th ...	451	68,011	383 15 0	21 1/2	0 1 6 1/2	4 7 0	174	57 4 6	
	February { " 13th ...	1,230	283,713	814 6 0	29	0 1 4 1/2	2 15 9	234	17 8 6	
	" " 20th ...	2,150	143,981	1,172 7 0	16	0 1 2 1/2	4 12 10	421	141 11 6	
	" " 27th ...	711	258,176	1,649 4 0	15	0 1 6	6 2 5	470	205 13 3	
	March { " 6th ...	3,063	479,970	1,071 13 6	23 1/2	0 1 8	4 2 2	607	345 6 9	
	" " 13th ...	4,311	565,042	2,346 9 6	21	0 1 8	4 3 6	621	270 8 3	
	" " 20th ...	4,775	590,143	1,710 1 9	23 1/2	0 1 2 1/2	3 9 11	380	134 0 0	
	" " 27th ...	1,231	631,934	1,867 8 0	36	0 1 8	2 13 3	358	63 12 0	
	April { Week ending 2nd ...	1,415	639,189	2,163 7 9	40	0 2 0 1/2	2 9 6	334	135 8 8	
	" " 9th ...	1,231	410,702	1,824 15 0	31	0 1 7	2 14 1	608	219 8 9	
	" " 16th ...	1,073	813,921	704 12 3	32	0 1 1 1/2	2 3 0	400	182 1 9	
	" " 23rd ...	1,073	218,403	891 1 9	32	0 1 8	1 13 11	305	128 12 0	
	" " 30th ...	615	161,345	281 7 0	43	0 1 2	1 12 1	166	64 0 6	
	May { " 7th ...	701	145,447	311 8 0	33	0 0 11	1 10 6	378	110 3 6	
	" " 14th ...	1,073	111,613	174 14 0	61 1/2	0 1 6 1/2	1 9 0	289	84 1 9	
	" " 21st ...	1,073	87,382	133 0 0	63	0 1 7	1 8 8	160	61 13 0	
	" " 28th ...	615	43,613	63 4 0	63 1/2	0 1 6	1 7 2	46	19 6 0	
	June { " 4th ...									
	" " 11th ...									
	" " 18th ...									
	Total		6,639,514	16,217 13 3					2,360 1 9	
	Average		1,156 1/2		24	0 1 6	2 4 7	316		
	Dumka.	January ... { Week ending 31st ...	41							
February { " 7th ...		114								
" " 14th ...		50						18		
" " 20th ...		45						18		
" " 27th ...		118						10		
March { " 6th ...		176						77		
" " 13th ...		239						204		
" " 19th ...		616						244		
" " 26th ...		713						32		

A, B, and C together.		GRATUITOUS RELIEF.			Total outlay on relief works and gratuitous relief. (Total of columns 13 and 15).	Cost of establishment and other charges.	Grand total.	REMARKS.
Average number employed daily. (Total of columns 3 and 9).	Total wages paid. (Total of columns 5 and 10).	Average number of adult units relieved daily.	Total amount disbursed.	Average cost per head per diem.				
13	13	14	15	16	17	18	19	20
	B. A. P.		B. A. P.	B. A. P.	B. A. P.	B. A. P.	B. A. P.	
237	30 14 0	.....	.....	.....	30 14 0			Work open for two days.
758	236 14 0	.....	.....	.....	236 14 0			Ditto six days.
791	180 12 0	.....	.....	.....	180 12 0			Ditto four days.
1,508	697 3 3	.....	.....	.....	697 3 3			Ditto six days.
1,947	213 6 0	.....	.....	.....	213 6 0			Ditto two days.
Dormitory closed.								
415	235 12 0	.....	.....	.....	235 12 0			
841	424 3 3	.....	.....	.....	424 3 3			
2,105	1,411 11 9	.....	.....	.....	1,411 11 9			Account for five days.
2,440	1,753 4 3	.....	.....	.....	1,753 4 3			
3,500	2,070 0 10	.....	0 4 0	.....	2,070 0 10			
4,901	2,690 3 0	.....	198 6 0	.....	2,690 3 0			
6,043	3,331 8 7	.....	.....	.....	3,331 8 7			
6,655	3,538 4 1	.....	.....	.....	3,538 4 10			
7,311	3,819 0 0	13	31 0 0	0 0 7	3,812 0 0			
7,841	3,692 1 0	1,931	34 12 7	0 0 1	4,018 17 7			
8,743	4,538 1 0	1,280	36 4 8	0 0 1	4,914 5 8			
8,861	4,738 6 10	1,177	35 15 0	0 0 1	5,119 6 7			
9,005	4,902 15 0	1,255	33 11 3	0 0 1	5,436 1 3			
9,627	5,333 7 8	1,736	61 13 2	0 0 0	5,838 4 10			
10,185	5,559 11 5	1,731	54 14 1	0 0 1	6,084 0 8			
10,221	5,621 8 5	1,300	404 13 6	0 0 0	6,026 5 11			
10,706	5,807 12 6	1,363	384 8 4	0 0 1	6,146 4 10			
4,384	2,770 13 1	1,243	351 13 0	0 0 0	3,123 0 14			Account for nine days.
2,580	1,348 15 13	1,021	235 5 6	0 0 1	1,582 5 1			
2,461	1,167 7 7	1,029	234 2 9	0 0 1	1,374 0 2			
1,605	131 2 7	182	234 10 0	0 0 1	1,373 3 4			
1,354	637 7 9	836	234 0 0	0 0 1	994 7 5			
1,175	544 11 1	719	197 6 0	0 0 1	1,111 1 14			
1,182	615 0 8	718	175 2 6	0 0 1	881 0 2			
781	408 0 11	167	92 2 0	0 0 1	611 6 8			
.....	.....	.....	.....	.....	.....			
.....	2,615 8	1,915	2,411 3 0	0 0 1	2,515 5 5	6,026 12 7	73,575 0 0	
4,700	.....	.....	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	
133	86 2 0	58	23 14 3	0 0 1	110 0 0			Relief works were opened on 27th, and gratuitous relief on the 30th January.
515	361 4 3	77	23 0 3	0 0 0	1 13 0			
1,054	915 12 0	291	61 8 2	0 0 0	1,000 4 8			
2,018	1,354 9 9	113	84 4 8	0 0 8	1,331 7 6			
2,811	1,791 14 3	533	113 1 11	0 0 1	1,908 0 2			
3,141	2,231 6 3	482	118 15 10	0 0 0	2,381 6 1			
3,877	2,656 14 0	585	136 7 7	0 0 1	2,943 6 4			
3,611	1,826 0 0	1,065	314 10 7	0 0 8	2,140 13 1			
2,791	1,000 4 0	1,111	92 13 4	0 0 8	1,283 1 4			
2,759	2,231 0 0	1,124	395 13 10	0 0 8	2,509 13 10			
3,178	2,943 8 3	1,312	335 3 8	0 0 6	3,348 11 11			
1,347	976 14 0	1,059	270 8 5	0 0 7	1,354 0 5			
1,121	713 4 0	979	224 14 8	0 0 6	1,000 13 2			
700	365 8 0	827	189 7 5	0 0 0	634 13 5			
877	351 10 0	738	167 3 5	0 0 5	508 13 5			
469	248 15 0	741	120 13 0	0 0 4	379 14 0			
343	191 15 0	684	85 10 0	0 0 3	296 9 0			28th May was the last day of relief works.
144	89 10 0	431	46 13 1	0 0 3	181 9 1			
.....	.....	494	60 7 3	0 0 4	66 7 3			
.....	.....	315	37 13 5	0 0 3	37 13 5			17th June was the last day of gratuitous relief.
.....	.....	316	46 3 3	0 0 4	43 3 2			
.....	20,577 15 0	.....	3,188 5 11	.....	23,776 4 11	2,615 11 7	20,393 0 0	
1,880	.....	6594	.....	0 0 64	.....	.....	.....	
61	.....	.....	.....	.....	.....	.....	.....	
116	.....	.....	.....	.....	.....	.....	.....	
74	.....	.....	.....	.....	.....	.....	.....	
63	.....	.....	.....	.....	.....	.....	.....	
118	.....	.....	.....	.....	.....	.....	.....	
843	.....	.....	.....	.....	.....	.....	.....	
832	.....	.....	.....	.....	.....	.....	.....	
940	.....	.....	.....	.....	.....	.....	.....	
821	.....	.....	.....	.....	.....	.....	.....	

District.	Month and week.	Returns							
		A and B labourers.						C is	
		Average number of male units employed daily.	Total amount of earth-work done.	Total wages paid.	Average work done per male unit per diem.	Average daily wages per male unit.	Average cost per 1,000 cubic feet.	Average number of male units employed daily.	Total wages paid.
1	2	3	4	5	6	7	8	9	10
Dinsipur—continued.	April	2nd ...	971	C. P.	Rs. A. P.	C. P.	Rs. A. P.	Rs. A. P.	498
		9th ...	1,185	.....	.....	.....	.....	.....	523
		16th ...	1,440	.....	.....	.....	.....	.....	187
	April	Total and average ...	479	8,145,938	9,386 12 0	100	0 3 2	1 13 0	148
		23rd ...	1,831	1,303,717	2,300 0 9	101	0 3 0	1 13 6	60
		30th ...	1,764	1,544,108	2,153 9 3	107	0 2 7	1 6 3	69
	May	7th ...	2,202	1,454,025	2,612 12 2	94	0 2 6 1/2	1 12 0	55
		14th ...	1,617	1,373,758	2,428 1 3	113	0 3 5 1/2	1 14 6	61
		21st ...	305	158,802	182 14 5	65	0 1 4 1/2	1 6 1	60
	May	28th ...	309	258,250	374 0 9	153	0 2 8	1 5 0	113
		4th ...	216	191,119	226 12 6	111	0 3 1	1 9 1 1/2	63
		11th ...	222	112,702	122 0 6	72	0 1 3	1 1 2	66
	June	18th ...	245	131,529	167 10 6	76	0 1 6	1 2 2	68
		25th ...	207	114,389	166 12 0	65	0 1 3	1 6 2	14
	July	2nd ...	632	384,673	471 14 0	86	0 1 8	1 3 7	63
	Total ...		.....	6,900,184	11,378 0 9	.....	.....	.....	410 11 1/2
	Average ...		878	.....	.....	102	0 2 8	1 10 3	60
	Total and average for the whole period ...		670	12,044,092	20,084 12 0	105	0 2 1 1/2	1 11 5	101
	GRAND TOTAL AND AVERAGE OF THE SIX DISTRICTS.		2,932	228,202,819	2,63,540 6 3	62	0 1 6 1/2	1 9 4	209

A. B. and C together.		GRATUITOUS RELIEF.			Total outlay on relief works and gratuitous relief. (Total of columns 13 and 15).	Cost of establishment and other charges.	Grand total.	REMARKS.
Average number of able units daily. (Total of columns 8 and 9).	Total wage paid. (Total of columns 5 and 10).	Average number of adult units relieved daily.	Total amount disbursed.	Average cost per head per diem.				
12	13	14	15	16	17	18	19	20
1,379	.....	.....	.....	.....	.....			
1,416	.....	.....	.....	.....	.....			
1,576	.....	.....	.....	.....	.....			
683	11,367 8 6	.....	.....	.....	11,367 8 6			
1,697	2,446 4 9	.....	.....	.....	2,446 4 9			
1,613	2,187 0 9	.....	.....	.....	2,187 0 9			
2,267	2,446 8 3	.....	.....	.....	2,446 8 3			
1,078	2,466 1 3	.....	.....	.....	2,466 1 3			
965	218 8 3	.....	.....	.....	218 8 3			
461	441 8 9	.....	.....	.....	441 8 9			
309	263 11 0	.....	.....	.....	263 11 0			
278	154 14 6	.....	.....	.....	154 14 6			
301	189 11 0	.....	.....	.....	189 11 0			
511	167 0 0	.....	.....	.....	167 0 0			
696	608 13 3	12	3 16 0	0 0 9	612 12 3			
...	11,668 11 9	.....	3 15 9	.....	11,668 10 9			
1694	.....	12	.....	0 0 9	.....			
771	23,075 14 3	.....	3 15 0	.....	23,079 13 3	2,662 8 5	25,694 8 8	
4,361	3,80,971 13 9	646	11,361 9 9	0 0 7½	3,92,333 7 6	91,769 7 4	4,84,112 14 10	

C. E. BUCKLAND,

Secretary to the Government of Bengal.



*Diagram slarbhangā, Bhagalpur and Purnea.*

[illegible]





# FINANCIAL RESOLUTION.

## FINANCIAL DEPARTMENT—FINANCE.

Calcutta, the 27th December 1892.

RESOLUTION - No. 5191F.

In the Resolutions of the 17th April and 26th October 1891, the general results of the five years' Provincial contract of 1887 were briefly reviewed. This review was based upon the revised estimates of 1890-91 and the budget estimates of 1891-92. The Accountant-General's memorandum on the accounts of the former year has since been received, and although the accounts of the latter year have not yet been finally closed, the Appropriation Report for the year, furnishing approximate results, is sufficient for all practical purposes. A new contract has now been concluded for another five years, and materials are available for reviewing the Provincial finances during the period of the expired contract. The figures of the revenue and expenditure of the first seven months of the current year have been received from the Accountant-General, and these afford sufficient data for a revised forecast of the probable position of the province in the first year of the period upon which it has now entered.

## PART I.—ACCOUNTS OF 1890-91.

2. The actuals of 1890-91 furnished by the Accountant-General in his memorandum on the accounts of the year are compared in the following table with the revised estimate adopted in the Financial Resolution No. 4501, dated the 26th October 1891:—

RECEIPTS.			OUTGOINGS.	
Revised estimate.	Actuals.		Revised estimate.	Actuals.
Rs.	Rs.		Rs.	Rs.
2,87,26,000	2,86,05,404	Principal heads of revenue ...	61,77,000	60,94,967
91,000	92,509	Interest ...	83,000	84,461
1,000	129	Post office and telegraph ...	1,000	(—)481
40,11,000	39,28,936	Civil Departments ...	2,25,05,000	2,30,82,071
11,89,000	11,90,903	Miscellaneous ...	28,91,000	28,90,144
... ..	.....	Famine relief and insurance ...	13,000	12,632
.....	.....	Construction of railways	13,000	13,040
1,49,24,000	1,46,45,003	Railways... ..	1,08,68,000	1,07,97,407
22,85,000	22,84,427	Irrigation and Navigation	52,48,000	52,47,765
7,36,000	7,36,896	Buildings and Roads ...	35,70,000	35,71,474
.....	...	Contributions ...	8,91,000	8,94,460
5,19,63,000	5,14,84,207	Total ..	5,22,63,000	5,26,87,980
36,77,000	36,76,647	Opening balance ...	.....	.....
.....	.....	Closing balance ..	33,77,000	24,72,774
5,56,40,000	5,51,60,754	GRAND TOTAL ...	5,56,40,000	5,51,60,754
		Excess of expenditure over receipts.	3,00,000	12,03,773

3. The revised estimate adopted in the Financial Resolution of the 26th October 1891 assumed that the year 1890-91 had opened with a credit balance of Rs. 36,77,000, and closed with a credit balance of Rs. 33,77,000; that the total amount available for expenditure was Rs. 5,56,40,000, and that Rs. 5,22,63,000 had been spent. The actual result was less favourable than this estimate by Rs. 9,03,773. The amount actually available for expenditure was Rs. 5,51,60,754, and the amount actually expended Rs. 5,26,87,980. The closing credit balance was Rs. 24,72,774.

4. There was a decrease of Rs. 4,78,793 on the Revenue side, of which Rs. 83,707 was under Jails, and this was due to no adjustments being made in the year after the revised estimate had been passed in October last for jail manufactures supplied to other departments, but for which an allowance of a like amount was made in the estimate.

The remainder of the decrease was almost entirely due to the transactions of the Tirhut and Bengal and North-Western Railways. The Government of India have not made any allowance for the loss to the Provincial revenues caused by the transfer of the Tirhut Railway to the Bengal and North-Western Railway Company, for which a credit of Rs. 2,24,334 was taken in the revised estimate. The gross receipts of this railway for 1890-91 and those of the Bengal and North-Western Railway for nine months from 1st July 1890, the date from which the accounts of the two railways have been combined, to 31st March 1891, amounted to Rs. 39,03,251, against Rs. 39,57,547 anticipated in the estimate of October 1891, showing a decrease of Rs. 54,296. The adjustments under Land Revenue on account of the shares of the Company in the net earnings of the Bengal and North-Western Railway for the nine months provided for a payment of Rs. 9,39,000, but the actuals amounted to Rs. 10,49,556, showing a loss of Rs. 1,10,556. The total decrease on account of these transactions thus amounted to Rs.  $2,24,334 + 54,296 + 1,10,556 = 3,89,186$ .

5. The actual expenditure in 1890-91 compared with the revised estimate shows a net increase of Rs. 4,24,980. The fluctuations have been chiefly under (1) Land Revenue (-85,037), (2) Police (+5,72,884) and (3) Working Expenses of State Railways (-71,184).

The decrease under 1) was chiefly under Survey and Settlement charges, which amounted to Rs. 4,16,676 against Rs. 4,90,000, the revised estimate passed by the Government of India. The increase under Police was due to the inclusion of the charges connected with the Chin-Lushai Expedition and the formation of the South Lushai Hills district. In the revised estimate for 1890-91, these charges were eliminated from the Provincial account, as the question of their final adjustment had not then been decided. The decrease under State Railway Working Expenses was in the Tirhut and Bengal and North-Western Railway.

6. The net result of the year, as stated above, was unfavourable to the extent of Rs. 9,03,773, and the year closed with a credit balance of Rs. 24,72,774, against Rs. 33,77,000 anticipated when the revised estimate was framed. The deficit of the year, or the excess of charges over receipts, amounted to Rs. 12,03,773, which was mainly due to a special contribution of ten lakhs paid to the Imperial Revenues in consequence of the financial difficulties of the Government of India, and to a special grant of four lakhs made to the Public Works Department to undertake urgent works, especially to defray the cost of repairs and maintenance of the roads in the Darjeeling district which were much damaged by heavy rains, and the new feeder roads to the railway in Chota Nagpore.

PART II.—APPROXIMATE ACCOUNTS OF 1891-92.

7. The following table compares the approximate actuals for 1891-92 with the latest estimates adopted by the Government of India:—

RECEIPTS.	Revised estimate, 1891-92, adopted by the Government of India	Approximate actuals, 1891-92.	EXPENDITURE.	Revised estimate, 1891-92, adopted by the Government of India.	Approximate actuals, 1891-92.
Opening balance .. .. .	Rs. 24,72,774	Rs. 24,72,774	Direct demand on the Revenue—	Rs.	Rs.
Principle Heads of Revenue—			1. Refunds and drawback .. .. .	1,60,000	1,54,204
I.—Land Revenue { Proper .. .. .	89,63,000	1,00,21,546	2. Assignments and compensation .. .. .	1,65,000	1,66,129
Adjustments .. .. .	+ 10,44,000	+ 13,51,300	3. Land Revenue .. .. .	34,50,000	41,14,224
III.—Salt .. .. .	1,25,000	1,10,854	4. Salt .. .. .	50,000	51,000
IV.—Stamps .. .. .	1,11,75,000	1,13,25,346	5. Stamps .. .. .	3,44,000	3,37,772
V.—Excise .. .. .	27,37,000	27,53,400	6. Excise .. .. .	1,00,000	1,06,410
VI.—Provincial rates .. .. .	43,80,000	45,24,587	7. Provincial Rates .. .. .	4,30,000	4,34,287
VII.—Customs .. .. .	58,000	57,105	8. Customs .. .. .	5,25,000	5,18,721
VIII.—Assessed taxes .. .. .	21,50,000	21,54,140	9. Assessed taxes .. .. .	30,000	30,014
IX.—Forests .. .. .	4,07,000	3,94,777	10. Forests .. .. .	2,10,000	2,10,235
X.—Mortgage .. .. .	6,02,000	6,07,150	11. Registration .. .. .	3,39,000	3,41,737
Total .. .. .	3,33,01,000	3,34,20,307	Total .. .. .	64,34,000	65,95,347
XII.—Interest .. .. .	1,23,000	1,18,163	12. Interest on ordinary debt .. .. .	95,000	1,01,541
Receipts by Civil Department—			13. Post Office .. .. .	.....	4,408
XIV.—Law and Justice—			Salaries and expenses of Civil Department—		
Courts of Law .. .. .	8,70,000	8,82,003	16. General Administration .. .. .	16,01,000	16,16,326
Jails .. .. .	8,50,000	8,27,042	17. Law and Jus- { Courts of Law .. .. .	54,10,000	54,82,793
XVII.—Police .. .. .	4,85,000	4,48,850	{ Jails .. .. .	20,35,000	20,22,000
XVIII.—Marine .. .. .	10,00,000	9,50,400	18. Police .. .. .	58,31,000	59,53,275
XIX.—Education .. .. .	5,40,000	5,00,122	19. Marine .. .. .	0,39,000	0,42,251
XX.—Medical .. .. .	1,30,000	1,00,548	20. Education .. .. .	25,45,000	25,51,574
XXI.—Scientific and other Minor Departments .. .. .	1,72,000	1,00,040	21. Medical .. .. .	15,05,000	15,09,601
Total .. .. .	40,97,000	41,01,400	22. Political .. .. .	12,000	34,508
Miscellaneous—			23. Scientific and other Minor Departments .. .. .	3,00,000	3,11,504
XXII.—Receipt in aid of superannuation .. .. .	1,17,000	1,26,574	Total .. .. .	2,32,55,000	2,34,80,195
XXIII.—Stationary and Printing .. .. .	1,51,000	1,57,308	Miscellaneous—		
XXIV.—Miscellaneous .. .. .	8,53,000	8,36,400	24. Superannuation, &c. .. .. .	18,58,000	18,99,526
Total .. .. .	11,21,000	11,20,430	25. Stationery and Printing .. .. .	13,00,000	14,34,000
Railways—			26. Miscellaneous .. .. .	2,07,000	2,04,751
XXV.—State Railways (gross earnings) .. .. .	1,55,65,000	1,60,30,646	Total .. .. .	31,04,000	32,39,150
Irrigation—			Famine Relief and Insurance—		
XXIX.—Major works (direct receipts) .. .. .	14,48,000	16,03,710	27. Famine relief .. .. .	5,000	.....
XXX.—Minor works and navigation—			28. Construction of Railways .. .. .	14,000	7,750
By Public Works Department .. .. .	8,35,000	8,17,834	Railways (Revenue account)—		
By Civil Department .. .. .	1,08,000	1,17,000	29. State Railways—	1,04,35,000	1,04,65,948
Total .. .. .	23,43,000	23,38,336	Working expenses .. .. .	30,00,000	30,08,508
Buildings and Roads—			Interest on debt .. .. .	.....	.....
XXXII.—Civil Work—			40. Subsidized Companies—		
By Public Works Department .. .. .	1,50,000	1,00,860	Land, &c. .. .. .	3,000	1,359
By Civil Department .. .. .	2,04,000	2,40,873	41. Miscellaneous Railway expenditure .. .. .	78,000	76,163
Total .. .. .	4,00,000	4,01,833	Total .. .. .	1,42,12,000	1,42,41,807
Total .. .. .	5,00,000	5,78,000,113	Irrigation—		
Grand Total .. .. .	6,04,05,000	6,02,72,837	42. Major works—		
			Working expenses .. .. .	14,23,000	13,54,171
			Interest on debt .. .. .	24,04,000	21,03,107
			43. Minor Works and Navigation—		
			By Public Works Department .. .. .	16,84,000	16,60,796
			By Civil Department .. .. .	2,000	14,553
			Total .. .. .	65,13,000	63,31,020
			Buildings and Roads—		
			44. Civil Works—		
			By Public Works Department .. .. .	37,43,000	38,80,194
			By Civil Department .. .. .	2,11,000	1,46,300
			Total .. .. .	30,54,000	40,26,500
			Contributions .. .. .	8,79,000	8,78,841
			Total .. .. .	5,74,65,000	5,78,87,871
			Closing balance .. .. .	20,00,000	23,85,016
			Grand Total .. .. .	5,94,65,000	6,02,72,887
			Provincial surplus (+) or deficit (-) .. .. .	(-) 4,73,000	(-) 37,758

8. Taking the Civil and Public Works heads together, the Provincial receipts of the year amounted to Rs. 5,78,00,113 against the revised estimate of Rs. 5,69,92,000, and the Provincial expenditure aggregated Rs. 5,78,87,871 against the estimate of Rs. 5,74,65,000. The revised estimate allowed for a special contribution of 3½ lakhs from Imperial to Provincial to make up the Provincial balance of 20 lakhs, which under the orders of the Government of India the Government of Bengal is ordinarily bound to maintain. No such grant was, however, necessary, as an unexpected increase occurred in almost all principal revenue heads in the last two months of the year. The main cause of the improvement in the financial position of the province was the increase in the Provincial share of receipts under Railways, as the following statement will show:—

	Estimate passed by the Government of India, 1891-92.	Approximate actuals, 1891-92.
RECEIPTS.	Rs.	Rs.
Eastern Bengal State Railway ...	70,90,000	68,41,226
Other sections of the Eastern Bengal System ...	43,60,000	46,22,609
Nalhati ...	90,000	92,353
Tirhut and Bengal and North-Western Railway	48,50,000	48,88,540
	<u>1,63,90,000</u>	<u>1,61,44,728</u>
<i>Deduct</i> —Imperial share of the receipts from Eastern Bengal State Railway (Proper) being excess over 30 lakhs of the net earnings of the Railway	8,25,000	4,05,180
Total ...	<u>1,55,65,000</u>	<u>1,60,39,548</u>
CHARGES.		
Eastern Bengal State Railway ...	32,65,000	34,36,046
Other sections of the Eastern Bengal System ...	28,85,000	28,26,747
Nalhati ...	60,000	48,177
Tirhut and Bengal and North-Western Railway	42,25,000	41,54,898
Total ...	<u>1,04,35,000</u>	<u>1,04,65,868</u>
Net receipts (Provincial) ...	<u>51,30,000</u>	<u>55,73,680</u>

The charges of the Eastern Bengal State Railway (Proper) amounted to Rs. 34,36,046 against Rs. 32,65,000 passed by the Government of India in the revised estimate. The increase was due to the adjustment of the claim of the East Indian Railway Company for arrear freight on coal amounting to Rs. 2,21,102. This increase raised the expenditure on the broad gauge section to Rs. 34,36,046; and as the receipts on that section fell to Rs. 68,41,226, there remained a surplus of Rs. 34,05,180, of which only Rs. 4,05,180, instead of the estimated surplus of Rs. 8,25,000, passed to Imperial revenues, as the Imperial share was limited to any excess over 30 lakhs of the net earnings of Eastern Bengal State Railway (Proper). Thus, while the gross receipts and charges under Railways exceeded the revised estimates only by Rs. 54,728 and Rs. 30,868 respectively, and the net earnings by Rs. 23,860, the reduction of the Imperial share in these earnings benefited the Provincial revenues to the extent of nearly Rs. 4½ lakhs.

The revenue derived from the canals classed as Irrigation Major Works amounted to Rs. 16,02,710 against Rs. 14,42,000 provided for in the revised estimate. The excess was due chiefly to larger collections of water-rates.

The heads of revenue and receipts in the Civil Department which chiefly contributed to the increase were Land Revenue (Rs. 58,000), Stamps (Rs. 1,50,000), Excise (Rs. 46,000), Provincial rates (Rs. 1,45,000) and Jails (Rs. 78,000).

9. The total expenditure exceeded the revised estimate by Rs. 4,22,871, and the chief fluctuations are explained below:—

*Land Revenue.*—The Accountant-General's account showed that the total expenditure under this head amounted to Rs. 41,14,224 against the revised estimate of Rs. 39,50,000. The increase was mainly under Surveys and Settlements which were actively pushed on during the year, and was partly also due to the creation of the Palamau and South Lushai districts.

*Law and Justice, Courts of Law.*—The actual charges under the heads of (a) "Law Officers," (b) "Civil and Sessions Courts," and (c) "Refunds" exceeded the revised estimates by Rs. 18,000, Rs. 29,000, and Rs. 13,000, respectively. The increase under (a) was due to the adjustment of large payments in Calcutta for conducting certain important law suits. The increase under (b) was caused by addition to the number of munsifs.

*Police.*—The revised estimate under this head was Rs. 58,31,000, but the total expenditure amounted to Rs. 59,53,275. The excess was under "Village Police" (Rs. 16,000), "Special Police" (Rs. 64,000), and "Refunds," (Rs. 50,000), the increase under the first head being due to the extension of Act V of 1887 to the district of Lohardaga, and that under the second to heavier expenditure in the South Lushai Hills.

*Political.*—There was larger expenditure under "Darbar Presents," and the total charges amounted to Rs. 31,505 against the revised estimate of Rs. 12,000. The increase was on account of khillats purchased for presentation to the recipients of titles sanctioned after the revised estimate had been passed.

*Stationery and Printing.*—The original budget estimate under this head, amounting to Rs. 10,18,000, was raised by the Government of India to Rs. 13,09,000 on information furnished by the Superintendent of Stationery to meet a large increase of expenditure under "Stationery supplied from Central Stores." The actual charges amounted to Rs. 13,31,909, the increase being due to increased charges on account of rent of godowns and office expenses and miscellaneous, consequent on increased purchases and larger supplies of stationery.

*Miscellaneous.*—There was an increase of expenditure under "Donations for charitable purposes" (Rs. 25,000), due entirely to the larger payment on account of the contribution to the Calcutta Female Nurses' Institution made at the close of the year, and under "Miscellaneous and unforeseen charges" (Rs. 54,000), chiefly on account of the irrecoverable balance of embankment advances made in the district of Muzaffarpur from 1877 to 1882, amounting to Rs. 42,000, written off under the order of Government to debit of this head. The total expenditure amounted to Rs. 2,94,751 against Rs. 2,07,000, the revised estimate.

*Irrigation Major Works.*—An expenditure of Rs. 13,54,171 was incurred on account of the working expenses of the canals against Rs. 11,23,000 provided for in the revised estimate. The saving was mainly under the following heads:—

				Revised estimate. Rs.	Actuals. Rs.
Midnapore Canal—					
Establishment	...	...	...	75,000	64,301
Sone Canals—					
Extensions	...	...	...	8,000	3,812
Repairs	...	...	...	2,71,000	2,59,804
Establishment	...	...	...	3,91,000	3,55,573
Refunds of Revenue	...	...	...	13,000	8,980
Total			...	7,58,000	6,92,470

*Minor Works and Navigation.*—The works in charge of the Public Works Department cost Rs. 15,59,796 against Rs. 16,84,000 provided for in the revised estimate passed by the Government of India. The decrease was mainly for smaller expenditure on the Hidgeleeo Tidal Canal and under Agricultural Works.

*Civil Works in charge of the Public Works Department.*—The increase under this head was Rs. 1,37,194, due principally to the increase of stock in the 1st Calcutta Division caused by the purchase of bricks from the lessee of the Government factory at Akra.

*Civil Works in charge of Civil Officers.*—The charges under this head aggregated Rs. 1,46,306 against Rs. 2,11,000 passed by the Government of India in the revised estimate. One of the chief causes of decrease was that the disturbances in the Lushai district prevented the construction of some projected works.

10. *Closing balance.*—The closing balance, as shown above, amounts to Rs. 23,85,016 against Rs. 20,00,000 estimated by the Government of India, and the increase has been obtained without taking any contributions from the Imperial revenues, while the estimate included a credit of Rs. 3,33,000 to make up the prescribed minimum balance of 20 lakhs.

### PART III.—WORKING OF THE PROVINCIAL CONTRACT OF 1887.

11. In the Financial Resolution of the 24th December 1887, the results of the Provincial Contract of 1882, which was in force for the five years 1882-83 to 1886-87, were examined and reviewed. In this Resolution was also given some account of the terms of the contract which has just expired, governing the financial administration of this Province from 1887-88 to 1891-92. This period has now closed, and it will be convenient therefore to examine the operation of that contract.

The contract of 1887 was based for the most part on the arrangements proposed by the Finance Committee. No material advance in the system of decentralisation was made, but by a redistribution of the shares of the Imperial and Provincial Governments in the three principal heads of Land Revenue, Stamps, and Excise, and by certain reductions in expenditure which were considered feasible, a general standard of normal revenue and expenditure was obtained, which was adopted as the "Ruling account." The surplus of this account, amounting to Rs. 6,90,000, was appropriated by the Government of India through the Land Revenue head, leaving the province with a revenue and expenditure exactly equal. The Government of Bengal was admitted to a quarter share in the Land revenue collections, except those from Government estates, whilst under Stamps and Excise its share was changed from one-half in the preceding contract to three-fourths and one-fourth respectively. The proportion of charges under Stamps and Excise followed the proportion of receipts. The cost of surveys and settlements and of the maintenance of agricultural works and embankments was made entirely Provincial. Refunds and Drawbacks followed the proportions assigned for the revenues concerned. The Patna-Gaya State Railway was made Imperial, and the Eastern Bengal State Railway System, Provincial, with this reservation, that any excess over 30 lakhs in the net revenue from the Eastern Bengal State Railway (Proper) was to be credited to Imperial revenues. The interest on funds provided for outlay on State Railways and Irrigation Major Works was borne by the Provincial revenues, and was calculated on the entire capital outlay, including loss by exchange, from the commencement of operations, but excluding the amount advanced from Provincial revenues during the term of the contract.

12. The only important change made since the contract was finally settled is the transfer of the management of the Tirhut State Railway to the Bengal and North-Western Railway Company from 1st July 1890. But the Provincial accounts have been swollen by the inclusion of the receipts and working expenses of that Railway, including the payment to the Company of their share in the net receipts from the entire undertaking.

13. The following statements show at a glance the progress of the Provincial receipts and expenditure during the five years as compared with the assignments made in the contract:—

## REVENUE.

RECEIPTS.	Contract assignment.	Actuals, 1887-88.	Actuals, 1888-89.	Actuals, 1889-90.	Actuals, 1890-91.	Approximate actuals, 1891-92.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Opening balance ...	...	10,99,024	20,08,361	26,51,072	36,76,347	24,72,774
<b>Principal heads of Revenue:—</b>						
I.—Land Revenue & Proper ...	98,53,000	97,88,195	95,97,775	1,00,36,195	99,92,530	1,00,21,546
venue & Adjustment ...	( 10,89,000)	(— 12,10,175)	(— 15,01,838)	(+ 1,61,032)	(— 12,37,338)	(+ 13,81,369)
III.—Salt ...	1,00,000	78,201	98,195	1,23,718	1,28,236	1,10,834
IV.—Stamps ...	1,00,87,000	1,03,02,028	1,03,71,230	1,06,58,523	1,06,85,194	1,13,20,340
V.—Excise ...	24,82,000	27,16,336	27,21,000	26,18,809	25,16,210	27,83,490
VI.—Provincial Rates ...	30,20,000	42,39,534	41,56,393	43,06,024	43,19,033	45,23,527
VII.—Customs ...	57,000	60,554	46,891	65,004	67,573	67,166
VIII.—Assessed Taxes ...	17,81,000	19,03,541	18,50,098	20,80,503	21,19,441	21,61,146
IX.—Forests ...	3,70,000	3,28,891	3,38,173	3,81,320	3,63,606	3,96,777
X.—Registration ...	6,38,000	6,08,912	5,96,772	6,00,663	6,19,529	6,67,156
Total ...	2,81,82,000	2,95,08,583	2,92,01,118	3,16,27,610	3,06,65,411	3,31,20,307
XII.—Interest ...	73,000	67,663	90,953	1,04,267	92,509	1,18,163
<b>Post Office, Telegraph and Mint:—</b>						
XIV.—Telegraphs ...	.....	1,103	926	568	129	.....
<b>Receipts by Civil Department:—</b>						
<b>XVI.—Law and Justice:—</b>						
Fees, fines, and forfeitures of Judicial Courts ...	7,61,000	7,71,255	7,59,538	8,01,582	8,96,337	8,82,008
Jails ...	8,10,000	7,19,279	7,71,021	8,50,502	7,66,263	9,27,042
XVII.—Police ...	7,05,000	3,13,319	5,38,197	4,26,742	4,51,678	4,48,040
XVIII.—Marine ...	8,08,000	9,10,090	9,11,733	9,14,207	9,18,756	9,05,408
XIX.—Education ...	5,25,000	6,91,653	6,11,884	5,61,861	5,75,086	5,96,122
XX.—Medical ...	1,16,000	1,38,551	1,36,165	1,46,352	1,42,812	1,46,649
XXI.—Scientific and other Minor Departments ...	1,11,000	1,56,308	1,65,151	1,55,789	1,77,301	1,96,040
Total ...	39,40,000	36,97,434	37,27,613	38,17,020	39,25,366	41,61,403
<b>Miscellaneous:—</b>						
XXII.—Receipts in aid of superannuation ...	41,000	45,604	48,549	45,601	1,26,507	1,26,574
XXIII.—Stationery and Printing ...	1,23,000	1,88,397	1,75,071	1,50,506	2,04,117	1,57,302
XXV.—Miscellaneous ...	2,45,000	6,94,957	8,31,780	8,12,571	7,70,219	8,36,496
Total ...	9,09,000	9,28,958	10,55,409	9,08,681	11,00,833	11,20,438
<b>Railways:—</b>						
XXXVI.—State Railways (gross earnings) ...	1,00,10,000	1,12,73,485	1,17,33,508	1,25,04,406	1,46,45,003	1,60,59,549
<b>Irrigation:—</b>						
XXIX.—Major works (direct receipts) ...	13,30,000	11,03,229	13,94,369	13,21,274	13,46,728	16,02,710
<b>XXX.—Minor works and navigation:—</b>						
By Public Works Department ...	...	8,62,002	8,67,844	7,89,642	8,44,062	8,17,934
By Civil Department ...	9,44,000	1,02,008	1,02,154	1,12,180	93,637	1,17,082
Total ...	22,74,000	20,67,899	23,64,307	22,12,046	22,84,427	25,35,836
<b>Buildings and Roads:—</b>						
<b>XXXII.—Civil works:—</b>						
By Public Works Department ...	...	1,75,432	2,00,076	2,55,843	4,72,445	1,60,855
By Civil Department ...	7,50,000	2,27,379	2,74,664	3,16,758	2,04,451	2,40,073
Total ...	7,50,000	4,02,811	4,74,640	5,72,601	7,26,896	4,01,928
Total ...	4,61,47,000	4,81,47,256	4,87,78,003	5,14,34,505	5,14,42,207	5,78,00,113
GRAND TOTAL ...	.....	5,01,40,180	5,20,86,994	5,40,85,577	5,51,00,764	6,02,72,887



## EXPENDITURE.

EXPENDITURE.	Contract assignment.	Actuals, 1887-88.	Actuals, 1889-90.	Actuals, 1890-91.	Actuals, 1890-91.	Approximate actuals, 1891-92.
Direct demands on the Revenues—	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. Refunds and Drawbacks ...	1,35,000	1,50,000	1,40,150	1,50,185	1,48,135	1,51,204
2. Assignments and Compensations ...	1,18,000	1,88,500	1,39,300	1,55,000	1,68,447	1,66,120
Charges in respect of collection—						
3. Land Revenue ...	31,08,000	31,05,000	35,13,050	33,47,957	30,39,903	41,11,224
4. Salt ...	11,000	12,300	21,224	10,521	68,258	51,008
5. Stamps ...	3,75,000	3,61,210	3,70,334	3,83,679	3,63,361	3,57,773
6. Excise ...	86,000	1,00,000	1,08,602	1,11,180	1,02,972	1,00,410
7. Provincial Rates ...	...	3,43,213	3,17,410	3,37,184	4,06,050	4,31,387
8. Customs ...	4,97,000	5,29,638	5,21,020	5,30,142	5,12,433	5,18,731
9. Assessed Taxes ...	85,000	75,505	71,805	80,619	87,619	1,00,014
10. Forests ...	2,25,000	1,91,830	1,88,101	1,98,081	2,06,004	2,10,256
11. Registration ...	2,45,000	2,80,204	2,90,721	3,11,516	3,11,872	3,41,737
Total ...	36,15,000	36,71,187	36,90,800	38,96,158	39,34,967	45,85,347
13. Interest on ordinary debt ...	...	...	15,802	67,037	81,101	1,01,241
Post Office, Telegraph and Misc. ...	...	...	...	...	...	4,000
16. Post Office ...	1,000	915	881	808	714	...
16. Telegraphs ...	...	...	...	...	...	...
Salaries and expenses of Civil Department—	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
18. General Administration ...	15,02,000	15,11,570	16,71,000	16,29,025	15,81,061	16,10,720
19. Law and Justice—						
Judicial Courts ...	80,11,000	79,11,350	81,01,737	81,51,810	82,40,107	84,82,793
Jails ...	17,28,000	16,30,000	17,95,705	18,29,078	17,40,347	20,22,000
20. Police ...	17,48,000	17,80,787	18,31,000	18,39,675	18,65,884	19,68,275
21. Marine ...	7,81,000	8,10,000	10,71,100	10,11,300	9,40,470	9,42,551
22. Education ...	37,03,000	37,22,000	37,88,200	37,81,900	37,81,854	38,01,574
23. Medical ...	11,50,000	11,43,000	11,87,750	13,24,158	13,65,000	15,00,000
24. Political ...	...	...	...	...	...	...
25. Scientific and other Minor Departments ...	4,30,000	3,60,000	3,10,000	3,01,000	2,90,000	3,11,000
Total ...	2,18,02,000	2,08,87,730	2,10,50,000	2,25,28,800	2,24,92,071	2,31,80,000
Miscellaneous—						
26. Superannuation, &c. ...	12,51,000	12,71,770	13,70,000	14,50,115	15,13,117	15,90,720
27. Stationery and Printing ...	10,00,000	9,40,000	9,71,000	9,90,272	11,01,087	12,14,000
28. Miscellaneous ...	3,48,000	3,10,000	3,10,000	3,10,000	3,10,000	3,10,000
Total ...	20,00,000	20,00,000	20,00,000	20,00,000	20,00,000	20,00,000
Famine Relief and Insurance—						
29. Famine Relief ...	...	...	51,331	1,31,200	12,082	...
37. Construction of Railways ...	...	...	...	...	...	7,750
Railways (Revenue Account)—						
38. State Railways—						
Working expenses ...	50,01,000	50,01,000	50,01,000	50,01,000	50,01,000	50,01,000
Interest and Div. ...	25,02,000	25,02,000	25,02,000	25,02,000	25,02,000	25,02,000
39. Subsidized Companies—						
Local ...	...	...	...	...	...	...
41. Miscellaneous Railway expenditure ...	...	...	...	...	...	...
Total ...	57,03,000	57,03,000	57,03,000	57,03,000	57,03,000	57,03,000
Irrigation—						
42. Minor works—						
Working expenses ...	11,25,000	11,00,000	11,18,000	11,77,500	12,51,000	13,51,171
Interest on debt ...	2,20,000	2,10,000	2,30,000	2,30,000	2,30,000	2,30,000
43. Minor works and navigation—						
Minor works by Public Works Department ...	11,48,000	11,48,000	11,75,710	11,10,000	11,10,000	11,50,798
Minor works by Civil Department ...	2,000	1,000	1,000	2,000	1,000	1,000
Total ...	15,00,000	15,00,000	15,00,000	15,00,000	15,00,000	15,00,000
Buildings and Roads—						
45. Civil works—						
By Public Works Department ...	31,14,000	31,14,000	31,14,000	31,14,000	31,14,000	31,14,000
By Civil Department ...	...	...	...	...	...	...
Total ...	31,14,000	31,14,000	31,14,000	31,14,000	31,14,000	31,14,000
Contributions ...	1,50,000	1,50,000	1,50,000	1,50,000	1,50,000	1,50,000
Total ...	4,04,47,000	4,08,47,180	4,04,47,000	4,04,47,000	4,04,47,000	4,04,47,000
Closing balance ...	...	...	...	...	...	...
GRAND TOTAL ...	...	5,01,00,000	5,01,00,000	5,01,00,000	5,01,00,000	5,01,00,000
Provincial surplus (+) or deficit (—) ...	...	(+ ) 15,10,000	(— ) 10,57,000	(+ ) 10,25,000	(— ) 12,00,773	(— ) 87,758

14. It appears on the face of this statement that the Provincial revenues have increased from the contract estimate of Rs. 1,61,47,000 to Rs. 5,78,00,113, while the expenditure on all accounts has risen from an assignment of a like amount to Rs. 5,78,87,871. But it would be misleading to say that the whole of this growth of more than 100 lakhs in revenue and expenditure has been the outcome of Provincial administration. As already stated, the accounts of the last two years, 1890-91 and 1891-92, have been swollen on both sides by the inclusion of the transactions of the Bengal and North-Western Railway from 1st July 1890, without affecting in any way the finance of the province. The accounts of these two years have also been swollen with excess duty levied under the Succession Act VII of 1889 on probates, letters of administration, &c., which has been paid back in entirety to Imperial through the adjusting head of Land Revenue. Again, out of the total capital outlay on the Orissa Coast Canal, amounting to Rs. 5,04,839, additional assignments of Rs. 3,10,000 and Rs. 1,81,000 were made to Provincial Revenues in 1887-88 and 1889-90 respectively, and advances aggregating Rs. 4,37,216 have also been made from Imperial Revenues during the last three years of the contract, for remodelling the Hidgelee Tidal Canal, the Provincial Government undertaking to pay interest on this last amount till it is paid back.

Since the settlement of the contract the Eastern Bengal Railway Police has been provincialized with effect from 1887-88 with an assignment of Rs. 41,000 a year; the ordinary political charges have been transferred from Imperial to Provincial revenues with effect from 1888-89 with a grant of Rs. 21,000, and the Police of Calcutta and the Suburbs has been made entirely Provincial with effect from the third year of the contract with an assignment of Rs. 2,00,000.

An additional assignment of Rs. 93,000 a year has also been sanctioned to meet the cost of interest on exchange on the capital outlay on State Railways, which was not taken into account when the contract was made.

The opening of the South Lushai Hills district caused a considerable increase of expenditure in the last two years, especially under Police, amounting to Rs. 12,26,860, against which the Provincial Revenues have received in the last year a grant equivalent to half the amount.

A Provincial Loan Account has also been opened from 1888-89, of which only the interest received and paid are entered in the General Account.

15. Eliminating the transactions which are purely formal, and which had no direct effect on Provincial finance during the period covered by the contract, exhibiting separately numerous other adjustments shown in detail in paragraph 17 below, and taking only the net results under Railways, the following table shows the actual growth of revenue and expenditure during the five years in *thousands of rupees*.

	Contract assignment.	Actuals, 1887-88.	Actuals, 1888-89.	Actuals, 1889-90.	Actuals, 1890-91.	Actuals, 1891-92.
<i>Receipts.</i>						
Principal heads of Revenue ... ..	2,91,71	2,99,49	2,98,22	3,08,67	3,09,03	3,20,39
Deduct excess duty under Act VII of 1889	.....	.....	.....	.....	1,71	63
	2,91,71	2,99,49	2,98,22	3,08,67	3,07,32	3,19,76
Interest .. .. .	73	67	97	1,04	93	1,19
Post Office and Telegraph .. .. .	.....	1	1	1	.....	.....
Civil Departments .. .. .	39,40	36,97	37,28	38,17	39,29	41,62
Miscellaneous .. .. .	9,09	9,29	10,59	9,99	11,91	11,20
	3,40,93	3,46,43	3,47,07	3,57,88	3,69,45	3,73,76
Net earnings of railways .. .. .	40,58	53,38	57,85	61,20	75,14	55,74
Adjustments .. .. .	.....	.....	.....	.....	10,19	5,94
	40,58	53,38	57,85	61,20	64,65	61,68
Irrigation .. .. .	22,74	20,68	25,64	24,12	22,84	25,38
Civil works .. .. .	7,60	4,03	4,75	5,70	7,37	4,02
	70,92	78,09	88,24	91,02	94,96	91,08
Total .. .. .	4,11,73	4,94,59	4,33,31	4,51,90	4,54,31	4,64,84
Adjustment .. .. .	(-) 6,90	(-) 6,90	(-) 6,90	(-) 6,90	(-) 6,90	(-) 6,90
	(+) 1	(+) 1,40	(+) 1,88	(+) 4,29	(+) 4,60	(+) 13,05
	(-) 6,89	(-) 5,50	(-) 5,02	(-) 2,61	(-) 12,30	(-) 6,15
GRAND TOTAL .. .. .	4,04,84	4,79,09	4,28,39	4,49,29	4,42,01	4,70,99
<i>Expenditure.</i>						
Direct demands under Revenue heads .. .. .	53,15	56,71	56,97	58,91	60,95	65,85
Interest .. .. .	.....	.....	46	68	84	1,01
Post Office and Telegraph .. .. .	1	1	1	1	.....	5
	53,16	56,72	57,44	59,65	61,79	66,91
Civil Departments .. .. .	2,18,65	2,08,87	2,16,54	2,25,29	2,30,82	2,34,81
Deduct cost of <i>Cassandra</i> .. .. .	.....	.....	.....	1,91	.....	.....
	2,18,65	2,08,87	2,16,54	2,23,38	2,30,82	2,34,81
Miscellaneous .. .. .	20,61	26,60	26,32	26,70	28,90	32,29
Famine relief .. .. .	.....	.....	.....	1,34	13	.....
Construction of railways .. .. .	.....	(-) 2	(-) 11	.....	13	8
Interest on railways .. .. .	28,02	30,82	32,61	34,33	35,82	36,99
Subsidized Gov.'s land, &c. .. .. .	.....	.....	.....	1	5	1
Miscellaneous railway expenditure .. .. .	.....	68	1,43	83	80	76
	2,73,28	2,67,04	2,77,53	2,86,59	2,96,65	3,04,84
Irrigation .. .. .	45,69	53,37	52,30	51,41	51,48	51,82
Deduct for Orissa Coast Canal and Hijili Tidal .. .. .	.....	3,10	.....	2,30	1,53	2,45
	45,69	50,27	52,36	49,11	50,95	50,97
Civil works .. .. .	31,14	29,27	40,24	31,86	35,71	40,26
Contribution .. .. .	1,59	2,01	7,50	11,89	8,94	8,79
	78,42	81,55	1,00,10	92,66	95,60	1,00,02
GRAND TOTAL .. .. .	4,04,86	4,05,91	4,34,57	4,39,04	4,54,04	4,71,87
Surplus (+) or deficit (-) .. .. .	.....	(+) 13,11	(-) 6,53	(+) 10,25	(-) 12,03	(-) 88

It will be seen that the revenues have risen from Rs. 4,24,52,000 in 1887-88 to Rs. 4,33,31,000 in 1888-89, Rs. 4,51,90,000 in 1889-90, Rs. 4,54,31,000 in 1890-91, and Rs. 4,64,84,000 in 1891-92; that the expenditure has increased from Rs. 4,05,91,000 in 1887-88 to Rs. 4,34,87,000 in 1888-89, Rs. 4,39,04,000 in 1889-90, Rs. 4,54,04,000 in 1890-91, and Rs. 4,71,87,000 in 1891-92; that against this increase of expenditure additional grants aggregating Rs. 25,22,000 in five years have been obtained from the Imperial revenues, while, in addition to the annual payment of Rs. 6,90,000 out of the Provincial surplus, a special contribution of 10 lakhs has been made to the Imperial revenues, in 1890-91. The principal fluctuations under the major heads are explained in the following paragraphs.

16. *Land Revenue*—The receipts from Land Revenue Proper have been as follows:—

	Contract.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Gross Land Revenue ... ..	3,82,60,000	3,80,1,001	3,73,73,161	3,88,82,119	3,88,10,328	3,86,70,507
<i>Deduct</i> —Percentage on collections from Government estates set apart for management and improvements ... ..	3,87,000	3,82,896	3,25,880	3,91,620	3,83,574	4,68,873
	3,78,63,000	3,76,28,105	3,70,47,281	3,84,87,499	3,84,26,754	3,82,01,634
Provincial share ... ..	94,00,000	91,01,229	92,61,595	96,21,875	96,08,950	95,52,673
Percentage on collections as above ... ..	3,87,000	3,82,896	3,25,880	3,91,620	3,83,574	4,68,873
Total ... ..	95,53,000	92,83,125	95,87,475	1,00,16,495	99,92,330	1,00,21,546

Under the orders of the Government of India, Finance and Commerce Department, No. 4689, dated the 14th December 1886, special efforts were made to collect the full demand for 1886-87 before the contract came into operation, and this led to a considerable diminution of arrear demands for collection in the following year. The decrease in 1888-89 was chiefly due to the failure of the Burdwan Raj to pay its March instalment before the close of the year, and also to smaller collections in Government Estates in Midnapore and Orissa, which suffered from floods and droughts during that year. The short collections in 1887-88 and 1888-89 were made up in the two following years, and the receipts in 1891-92 were smaller than in the preceding year, as the arrear balances had again been comparatively reduced in the latter. The average realizations during the five years have been at the rate of Rs. 3,83,51,000, which shows an improvement of more than a lakh over the contract estimate, and this nearly corresponds to the increase in the current demand. When it is remembered that only a small part of Bengal is temporarily settled, and that there have been years of unfavourable harvest in parts of the country, this improvement may be considered satisfactory. The percentage on collections from Government estates for their management and improvement has been raised from 10 to 12 per cent. under the orders of the Government of India, Home Department, No. 196, dated the 29th May 1891, with effect from the beginning of 1891-92, in order to provide for sanitary improvements in villages, and this accounts for the large increase shown under this minor head in 1891-92. The total Provincial receipts in the five years amounted to Rs. 4,94,06,541, and the gain to the Provincial revenues under this head over the contract assignment of Rs. 5 × 98,53,000 or Rs. 4,92,65,000 *plus* 78,000, the additional percentage, or Rs. 4,93,43,000 has been Rs. 63,541 only.

17. The details of the adjustments between the Imperial and Provincial accounts effected through the Land Revenue head are shown below:—

	Contract.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. Trial boring for seams of coal in Nonthal Parganas	.....	.....	.....	(-)1,475	.....	.....
2. Fixed contribution to Imperial	(-)8,90,000	(-)8,90,000	(-)8,90,000	(-)8,90,000	(-)8,90,000	(-)8,90,000
3. Special benevolence to Imperial	.....	.....	.....	.....	(-)10,00,000	.....
4. Hidgelee Tidal Canal	.....	.....	.....	+ 48,414	+ 1,62,884	+ 2,31,918
5. Interest on exchange, State Railways	.....	.....	+ 1,86,000	+ 93,000	+ 93,000	+ 93,000
6. Interovincial adjustments	.....	+ 85,430	(-)80,430	+ 46,821	+ 1,29,481	+ 71,006
7. Duty on Bengal-made rum	.....	.....	(-)11,025	(-)10,261	(-)11,216	(-)15,276
8. Half the cost of the Special Branch of the Police Office	.....	.....	+ 1,755	+ 1,291	+ 5,458	+ 5,592
9. Half the cost of the South Lushai Hill charges	.....	.....	.....	.....	.....	+ 6,13,430
10. Custom House Appraisers	.....	+ 6,549	+ 6,780	+ 7,280	+ 7,620	+ 7,620
11. Conservation of ancient monuments	+ 1,000	+ 1,000	+ 1,000	+ 1,000	+ 1,000	+ 1,000
12. Petroleum wharf establishment at Budge-Budge	.....	.....	+ 4,000	+ 4,000	+ 4,000	+ 4,000
13. Eastern Bengal Railway Police	.....	+ 41,000	+ 41,000	+ 41,000	+ 41,000	+ 41,000
14. Political charges Provincialized	.....	.....	+ 21,000	+ 21,000	+ 21,000	+ 21,000
15. Calcutta Police	.....	.....	.....	+ 2,00,000	+ 2,00,000	+ 2,00,000
16. Forest survey charges	.....	.....	(-)2,960	(-)2,960	(-)2,960	(-)2,960
17. New method of testing distillation of imported spirits	.....	.....	.....	+ 2,500	+ 2,500	+ 2,500
18. Duty levied under Succession Act VII of 1889 on probates, letters of administration, and certificates under Act XXVII of 1886	.....	.....	.....	.....	(-)1,71,123	(-)68,444
19. Adjustment on account of the new classification of rewards paid out of criminal fines in excise and stamp cases	.....	.....	.....	(-)28,861	(-)32,980	(-)40,100
20. Up-keep of the <i>Rhodes</i>	.....	.....	.....	.....	+ 8,500	+ 8,500
21. Interest on Hidgelee Tidal Canal	.....	.....	.....	.....	(-)5,022	(-)12,780
22. Net earnings of the Bengal and North-Western Railway	.....	.....	.....	.....	(-)10,49,556	+ 5,91,043
23. Adjustment of the loss in rents from the Barrak or Iron Works	.....	.....	.....	.....	.....	+ 11,582
24. Assignment to Provincial to defray a portion of the cost of traverse survey of Wards' estates in Bengal	.....	.....	.....	.....	.....	+ 34,280
25. Orissa Coast Canal	.....	+ 3,10,000	.....	+ 1,61,000	.....	.....
26. Copying fous realised in cash and credited to Imperial revenue without authority by reducing Provincial share in 1885-86	.....	+ 5,836	.....	.....	.....	.....
27. Half the excess over contract sum for survey and settlement charges	.....	.....	.....	.....	.....	+ 2,27,292
28. Adjustment of overcharge to Provincial Revenues for Duar-survey	.....	.....	.....	.....	.....	+ 25,017
29. Interest on Provincial loans—loss to Provincial account	.....	.....	+ 20,982	.....	.....	.....
30. Construction of a vessel to replace the pilot brig <i>Cassandra</i>	.....	.....	.....	+ 1,91,423	.....	.....
31. Mr. Kilby's salt-weighing machine	.....	.....	.....	+ 33,000	.....	.....
32. Cost of constructing buildings required at Budge-Budge for accommodation of officers of the Customs Department	.....	.....	.....	+ 25,000	.....	.....
Total	(-)6,82,000	(-)2,10,185	(-)5,01,838	+ 1,61,032	(-)22,97,338	+ 13,51,360

For items 8, 9, 15, 27 and 31, grants equivalent to nearly half the additional charges thrown on the Provincial Revenues were sanctioned, and if full assignment had been made, the province would have been better off by nearly twelve lakhs than the results show it to be. On the other hand the Provincial Revenues have been relieved to the extent of Rs. 1,01,941 in consequence of the change in the procedure of charging rewards paid out of criminal fines in Stamp and Excise cases, under the departmental heads of accounts instead of under the wholly Provincial head of Law and Justice, while an increase of revenue, amounting to Rs. 2,34,567, has been obtained under Stamps, in consequence of the duty levied under the Succession Act VII of 1889 on probates, letters of administration and certificates under Act XXVII of 1886, but the entire benefit to the Provincial Revenues which should have accrued from these two sources has been discounted by a debit to Provincial under the adjusting head of Land Revenue. The effect of the net adjustment for supplies and services obtained from, and rendered to, this Government, including those for excisable articles produced in one Province and consumed in another (items 1, 6, and 7), afforded to Bengal a net credit for Rs. 2,09,931, while for the excess receipts included in the Provincial account on account of the Bengal and North-Western Railway, a sum of Rs. 4,55,513 has been paid back through the head of Land Revenue. A special benevolence of Rs. 10,00,000 was made to the Imperial Revenues in 1890-91.

18. The expenditure charged under Land Revenue has risen from Rs. 34,05,906 in 1887-88 to Rs. 41,14,224 in 1891-92, or by Rs. 7,08,258. The details are these:—

	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.	Rs.	Rs.
(a) District Administration ...	28,37,134	28,32,555	28,30,137	28,48,848	29,14,878
(b) Management of Government estates ...	3,35,277	3,43,981	3,06,811	2,85,358	3,72,708
(c) Survey and Settlement ...	1,44,373	2,68,393	3,38,481	4,16,676	7,44,585
(d) Land Records and Agriculture ...	89,182	67,130	66,528	80,081	82,053
Total ...	34,05,966	35,13,059	35,47,957	36,30,963	41,14,224

The increase in 1891-92 under (a) is due partly to the creation of the new districts of Palámau and South Lushai Hills, and partly to the general growth of administrative charges.

The excess under (b) includes about Rs. 41,000 in 1891-92 for sanitary improvements, for which an increase of 2 per cent. in the collections of Government estates has been assigned.

The increase under (c) was due to more extensive operations of the Land Settlement and Professional Survey Department. The contract assignment for those charges was Rs. 2,90,000, or Rs. 14,50,000 for the five years. But the total expenditure in these five years amounted to Rs. 19,13,508, or Rs. 4,63,508 in excess of the assignment. Against this excess an additional grant of Rs. 2,27,292, equivalent to half the increase, has been made to the Provincial Revenues through the head of Land Revenue as stated above. A further credit for Rs. 25,047 has been allowed to the Provincial Revenues on account of the Duars survey in the three years from 1888-89 to 1890-91.

19. *Salt*.—The rate of rent of warehouses was reduced from Rs. 5 to Rs. 3 per 100 maunds, with effect from the 1st April 1887, and although in the first instance this led to the decrease of receipts in 1887-88 and 1888-89, the result in the long run has fully justified the change of policy then introduced. A considerable increase in bonding operations in the following two years was directly due to this cause. The increase in these operations in 1890-91 is attributed also to the rise in the price of salt brought about by the influence of the English Salt Syndicate. The decrease in 1891-92 was due to larger clearances, as, in consequence of the increasing importation of salt by steamers *via* the Suez Canal, and more rapid and continuous clearance from shipboard, the necessity of keeping large stocks in the golahs has been obviated. This is attributable to the introduction of Kilby's scales which, by simplifying and cheapening the weighment of salt, have rendered it profitable to merchants to import salt by steamers; and thus, though trade has been quickened and importation increased, there is no necessity for storing salt in the warehouses so long as was formerly the case. The result is that the Imperial duty from imports has increased, but the Provincial asset, rent of warehouses, has declined.

From the year 1888-89 the municipal taxes on the Sulkea Salt Golahs were debited to this head instead of to "32—Miscellaneous," which accounts for the increase of expenditure in that year. The increase in 1889-90 and subsequent years was due to the gradual introduction of Mr. Kilby's patent scales for the weighment of salt in Calcutta and other ports in Bengal. The payment of Rs. 10,456 in 1890-91 to the East Indian Railway Company as contribution towards the construction of a siding in the Sulkea Salt Golahs swelled the charges for that year.

20. Under the head, *Stamps*, the development of the revenue has been steady and continuous with a marked increase in every third year as is shown in the following table:—

	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.	Rs.	Rs.
Court-fee stamps ...	1,02,64,782	1,00,88,114	1,03,48,831	1,01,88,732	1,09,51,000
General stamps ...	34,02,525	36,50,855	37,78,911	39,53,076	40,92,000
Miscellaneous ...	1,48,730	1,00,016	1,10,289	1,05,118	87,000
Total ...	1,38,16,037	1,38,38,985	1,42,38,031	1,42,46,926	1,51,00,000
Imperial share ...	34,54,000	34,50,746	35,59,508	35,61,732	37,75,000
Provincial share ...	1,03,62,028	1,03,79,239	1,06,78,523	1,06,85,194	1,13,25,000

The gross receipts in 1887-88 amounted to Rs. 1,38,16,000 against the contract estimate of Rs. 1,31,50,000. The increase in 1888-89 was only Rs. 23,000, but in the third year of the contract the receipts were Rs. 1,42,38,000, showing an increase of Rs. 3,99,000 over the receipts of the preceding year. The increase in the following year was only Rs. 9,000, while in the last year of the contract the receipts aggregated Rs. 1,51,00,000, being an increase of Rs. 8,53,000 on that of 1890-91. The increase under general stamps in 1890-91 was almost entirely due to the formation of companies, the transfer of shares, execution of leases, &c., consequent upon the gold speculation in Chota Nagpur, while the increase in 1891-92 was almost entirely in court fee stamps, and is attributable to an increase in the number of civil suits. It is reasonable to ascribe these results partly to the increased facilities for obtaining justice, partly to a growing tendency to substitute written agreements for verbal contracts, and partly to improved administration and special vigilance in the prevention and detection of frauds. The gain of the Local Government on the contract under this head was 2½ lakhs in the first year, nearly 3 lakhs in the second, nearly 6 lakhs in the third and the fourth, and 12½ lakhs in the fifth, so that the total Provincial increment came to nearly 30 lakhs in five years. But from this must be deducted Rs. 2,34,567 representing three-fourths of the excess duty under Act VII of 1889 on probates, letters-of-administration, which, as stated above, have been repaid to the Government of India under the adjusting head of Land Revenue. Under the orders of the Government of India the rate of copying fees has been reduced from four to three annas per folio from 1st April 1890, but this reduction has as yet had hardly any appreciable effect on the total revenue.

On the expenditure side the rate of discount on the sale of court-fee stamps of all values above one rupee has been reduced from 3 pias to 1½ pie per rupee from 1st April 1888. The total charges of the Stamp Department rose from Rs. 4,85,621 in 1887-88 to Rs. 4,93,778 in 1888-89, and Rs. 5,12,906 in 1889-90, and then fell to Rs. 4,85,282 in 1890-91 and Rs. 4,50,362 in 1891-92. The charges for stamp paper supplied from the Central Stores fluctuated according to requirements, while the discount paid on stamps varied according to the sale of stamps. The large decrease in 1891-92 is chiefly due to the lower rates secured for the manufacture of stamp papers under the new contracts with Messrs. DeLa Rue and Company. The direct cost of raising the stamp revenue in Bengal has now been reduced to about 3 per cent.

21. *Excise.*—The following table shows the total income derived from country spirit and that derived from other sources during the periods covered by the last three contracts:—

		Revenue from country spirits.	Revenue from other sources.	Total.
		Rs.	Rs.	Rs.
1877-78	...	28,90,000	39,78,000	68,68,000
1878-79	...	29,71,000	40,57,000	70,28,000
1879-80	...	31,89,000	40,18,000	72,07,000
1880-81	...	42,21,000	43,32,000	85,53,000
1881-82	...	46,20,000	47,54,000	93,74,000
1882-83	...	48,26,000	49,63,000	97,89,000
1883-84	...	52,23,000	52,02,000	1,04,25,000
1884-85	...	48,55,000	51,37,000	1,00,52,000
1885-86	...	45,10,000	50,74,000	95,84,000
1886-87	...	47,91,000	53,35,000	1,01,26,000
1887-88	...	52,05,000	56,61,000	1,08,66,000
1888-89	...	50,90,000	58,02,000	1,08,92,000
1889-90	...	47,07,000	57,68,000	1,04,75,000
1890-91	...	45,28,000	59,37,000	1,04,65,000
1891-92	...	48,15,000	63,19,000	1,11,34,000

Under the contract of 1877 the extraordinary development of this branch of revenue was among the most striking feature of the financial history of the period. The receipts rose from Rs. 68,68,000 in 1877-78 to Rs. 93,74,000 in 1881-82 or by 25 lakhs. This remarkable increase was due partly to the introduction and development of the outstill system, and partly to the bumper harvests, the activity of trade, and the general prosperity of the country which marked the three years 1879-80, 1880-81 and 1881-82. But commercial and

agricultural prosperity soon received a check. The rainfall in 1883, 1884 and 1885 was unfavourable in quantity and distribution, and the failure of the crops was so serious as to necessitate the opening of relief works by Government. The revenue from Excise fell from Rs. 1,04,35,000 in 1883-84 to Rs. 1,00,52,000 in 1884-85, and to Rs. 95,84,000 in 1885-86. The return of good harvests and the favourable settlement of outstills led to the revival of the revenue, and it again rose to Rs. 1,08,92,000 in 1888-89; but soon after a reaction took place against a policy which was admitted to have looked too much to revenue, and to have paid insufficient attention to the duty of attempting to reduce consumption. The next three years, which coincide with the period during which the department has been under the administration of a separate Excise Commissioner have been a period of radical change, of difficult experiments, for the most part still incomplete, and of the introduction of new measures, all of which, for the time being, tended to check the expansion of revenue. On 1st April 1889 outstills were abolished in Calcutta, Howrah and the 24 Parganas, and the system of central distilleries introduced. A year later a similar change was made throughout the Presidency, Burdwan and Orissa Divisions. At the same time the number of outstills was reduced in the districts of the Patna, Bhagalpur and Chota Nagpur Divisions, and the upset fees for licenses of all kinds were materially raised. The combined effect of these measures has been a substantial reduction of revenue in 1889-90 and 1890-91. The resistance of the abkars to the excise policy of increasing taxation, the falling off in advance collections owing to the introduction of the distillery system, and agricultural scarcity brought down the revenue from country spirits from about 51 lakhs in 1888-89 to 45½ lakhs in 1890-91. But it is satisfactory to find that the decline has been only temporary, and that in 1891-92 the revenue rose to Rs. 48,15,000 from country spirits, and the total receipts to Rs. 1,11,34,000, the highest figure ever reached, and this result has been obtained notwithstanding the reduction of the number of shops licensed for the sale of country spirits from 3,025 in 1890-91 to 2,919 in 1891-92, and the decrease of consumption from 877,048 gallons to 814,432 gallons. Compared with the contract assignment of Rs. 24,82,000, the Provincial Government, which has been allowed one-fourth share in these receipts, has made a profit of Rs. 2,34,436 in 1887-88, Rs. 2,40,909 in 1888-89, Rs. 1,36,829 in 1889-90, Rs. 1,34,210 in 1890-91, and Rs. 3,01,490 in 1891-92, so that the total profit amounted to Rs. 10,47,874 during the whole term of the contract.

22. The contract estimate for the Provincial share of expenditure of the Excise Department was taken at Rs. 96,000, but the actuals amounted to Rs. 1,06,629 in 1887-88, rose to Rs. 1,08,602 in 1888-89, Rs. 1,41,480 in 1889-90, Rs. 1,62,972 in 1890-91, and Rs. 1,66,416 in 1891-92. The increase in 1887-88 compared with the contract grant was due to the amalgamation of the offices of Income Tax Assessors and Excise Inspectors in 20 districts of Bengal, and the inclusion of their entire salaries under this head instead of a moiety under Excise and a moiety under Assessed Taxes. The large increase from 1889-90 under Excise and subsequent years has been, as stated above, due to the creation of the appointment of a Commissioner of Excise, the inclusion of the charges for rewards in Excise cases under this head instead of under *Law and Justice*, the appointment of a larger number of Special Deputy Collectors, and the construction of several distillery buildings. In 1891-92 two Deputy Collectors were appointed as Inspectors of Excise to assist the Excise Commissioner in district inspections, and this led to a further increase of expenditure in that year counterbalanced in some measure by smaller expenditure on distillery buildings. The employment of larger establishments has been the natural outcome of the introduction of the sadar distillery system, which cannot be effectively worked without a large and well-paid staff. The outstill system established everywhere a self-acting detective agency, which tended to keep down illicit distillation. Under the central distillery régime no one's self-interest is enlisted on the side of Government, and greater vigilance and activity are demanded from the inspecting and detective staff of the Excise Department. Part of the increase is also attributable to greater liberality in granting rewards for the detection of Excise offences, and to the heavier expenditure on travelling allowances which the present method of administration involves. The appointment of an Excise Commissioner has rendered it possible to pay much closer attention to the supervision of the subordinate Excise officials, and the gradual improvement brought about in the standard of Excise

administration has its effect on the revenue. The appointment of Excise Commissioner, which was at first sanctioned for three years, has now been made permanent, and the Government of India have just sanctioned an elaborate scheme for reorganizing the subordinate establishments somewhat on the lines suggested by the Excise Commission of 1884. The pay and prospects of the subordinate staff have been improved, and a superior class of men have been induced to enter the department. The incidence of the gross Excise revenue is less than Rs. 16 per hundred of the duty paying population.

23. The head *Provincial Rates* represents principally the proceeds of the Public Works Cess, but it includes also the recoveries from district funds of the proportionate cost of collecting Road Cess and the Rates for the general management of Wards' and Attached Estates. The receipts have been as follows:—

	Contract.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(a) Public works cess		38,10,860	37,97,870	39,11,693	38,86,161	40,75,753
(b) Proportionate cost of collecting road cess.		3,13,524	2,68,084	3,12,096	3,55,052	3,64,355
(c) General management of wards' and attached estates.		1,03,184	90,369	82,235	71,429	80,419
Total	39,20,000	42,36,538	41,56,323	43,06,024	43,19,633	45,24,527

The variations under (a) were partly due to the same causes which led to the differences in the Land Revenue collections and partly to progress in valuation and revaluation of districts. The gross rental assessed on the introduction of the road cess was Rs. 13,11,68,432, and on the same basis the statistics furnished by the Board of Revenue show that it amounted to Rs. 14,60,45,236 in 1890-91 and Rs. 14,78, 83,221 in 1891-92. Large recoveries of the arrears of rates on wards' estates were effected from the Burdwan Raj in 1887-88, and this accounts for the larger receipts under (c) in the first year of the contract. The comparatively smaller receipts under (c) in 1890-91 and 1891-92 were due to the release from the Government management of a large number of estates during the course of the former year.

Head (b) is a new head of account which appeared in the Provincial Account in consequence of the introduction of the Local Self-Government Act. Prior to the extension of the Act, the charges for the collection of both the Road and Public Works Cesses were shown in the District Road accounts, the cost of collecting the Public Works Cess being paid to the District Road Committees through the adjusting head of Contribution, an assignment of Rs. 47,000 being made in the Provincial Contract under that head. The arrangement has now been reversed. The collection of the cess in the districts where the Local Self-Government Act has been introduced is shown as a Provincial charge, and is recovered from the District Funds before the net collections of the Road Cess are made over to the District Boards. The receipts and charges have been as follows:—

	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.	Rs.	Rs.
Total expenditure	3,47,213	3,17,410	3,37,181	4,05,650	4,34,287
Recoveries from District Funds	3,13,524	2,68,084	3,12,096	3,55,052	3,64,355
Cost of collection of Public Works Cess.	33,689	49,326	25,088	50,598	69,932

The increased charges in 1890-91 and 1891-92 were due to revaluations undertaken in several districts, and partly to arrear contributions recovered from District Funds on account of pensions of establishment employed for the collection of cesses. The net proceeds of the Public Works cess have been Rs. 37,86,171 in 1887-88, Rs. 37,48,544 in 1888-89, Rs. 38,86,605 in 1889-90, Rs. 38,42,863 in 1890-91, and Rs. 40,09,821 in 1891-92.

24. It will be interesting to show together the net proceeds of the Public Works cess and the charges properly debitable to them. The cess was originally imposed to enable the Government of Bengal to meet all charges for unremunerative public works made over to Provincial management, and to apply the balance, if any, to the construction and maintenance of public works of



Provincial utility. Accordingly, in 1877, the following works were made over to this Government, with the responsibility for the payment of interest charges on the capital expended on their construction: Northern Bengal Railway, Tirlut Railway, Nalhati Railway, Orissa Canals, Midnapore High Level Canal, Hidgolee Tidal Canal, and Sone Canal. The Calcutta and South Eastern Railway was also made over; but as the earnings of this line had been barely sufficient to cover the working expenses, no interest was charged on the capital. The amount of capital expenditure on which the Provincial Government was liable for interest up to the end of 1877-78 was—

				Rs.
Railways	...	...	...	2,10,17,000
Canals	...	...	...	4,56,43,000
Total				6,66,60,000

The sum due for interest on this capital at  $4\frac{1}{2}$  per cent., which was the rate of interest fixed at the time, was Rs. 30,00,000, while the net surplus of receipts over working expenses of Railways was Rs. 1,63,000, against a net deficit of Rs. 2,08,000 from Canals. During the quinquennial period covered by the contract of 1877, the net proceeds of the Public Works cess aggregated about 161 $\frac{1}{4}$  lakhs, the interest charges 157 lakhs, and the result of the Provincial administration of Productive Public Works added about 46 lakhs to Provincial resources. With this additional revenue of about half-a-lakh of rupees and improvements under other heads, the Government of Bengal could spend about 20 $\frac{1}{2}$  lakhs for the construction or completion of railways such as those from Sonapore on the Calcutta and South Eastern Railway to Magrahat, from Parbatipur on the Northern Bengal Railway to Dinajpur, from Kaunia to Dharla, and from Bankipore on the East Indian Railway, to Gaya; and about 39 lakhs on Irrigation, such as those connecting the Gunduck river with the principal watercourses of the Saran district, on the Calcutta Canals, on the Jagooly Scheme, and the Orissa Coast Canal.

Similarly, during the term of the next quinquennial contract, the net proceeds of the public works cess aggregated about 187 $\frac{1}{4}$  lakhs, and the net receipts from railways and canals 94 lakhs, while the charge for interest amounted to about 196 $\frac{3}{4}$  lakhs. Out of the surplus of about 84 $\frac{1}{2}$  lakhs from this source, about 29 lakhs was spent for the completion of the Dinajpur Branch of the Northern Bengal State Railway, the Diamond Harbour Branch of the Calcutta and South-Eastern Railway, and the Kaunia-Dharla Railway. More than one lakh was spent on the acquisition of lands and other charges for subsidized railways, and about 31 $\frac{1}{2}$  lakhs for the prosecution of the Orissa Coast Canal and the improvement of the Calcutta Canals, while in addition to this large expenditure amounting to more than 20 lakhs was incurred for the maintenance of several canals for which no capital account has been kept.

During the five years now under review, a considerable change was made in the financial relations between the Government of Bengal and the Government of India, so far as the railways were concerned, the Northern Bengal State Railway and the Calcutta and South-Eastern Railway with their branches and feeders being included in the Eastern Bengal Railway System, which is rather an Imperial than a Provincial undertaking, and the management of the Tirlut Railway being made over to the Bengal and North-Western Railway Company. Leaving aside the transactions of these railways, which moreover are now able to bear their own interest charges, and can no longer be treated as unremunerative works, and taking only the transactions of the canals, it will be seen that against the total net proceeds of the Public Works cess, amounting to about 192 $\frac{3}{4}$  lakhs, the charge for interest on irrigation canals amounted to Rs. 118 lakhs, while the earnings of these canals just covered their working expenses with a deficit of about Rs. 14,000 in five years. Out of the surplus of 74 $\frac{3}{4}$  lakhs, Rs. 36,53,000 has been spent on the maintenance and repairs of the Calcutta and other canals classed as "Minor works," Rs. 31,63,000 on Government embankments, Rs. 71,000 for the improvements of the Calcutta and Eastern, Midnapore, and Sone Canals and Damodar project, Rs. 87,000 on surveys, such as the Western Bengal Railway Survey, Darbhanga-Sitamarhi Survey, and Sakri-Jainagar Survey, besides Rs. 6,60,000 advanced on Takavi Embankments and Rs. 9,42,000 expended on the Orissa Coast Canal, and for remodelling the

Hidgeleo Tidal Canal, and large amounts disbursed for the improvement of Provincial Road communications.

25. The increase in expenditure under *Customs* over the contract assignment was chiefly due to the adjustment under this head of the rent, rates, and taxes of the Customs buildings which were hitherto adjusted under Miscellaneous, and to the entertainment of additional establishment of appraisers for changes in the Tariff Act, for additional wharf establishment at Budge-Budge in consequence of the introduction of the Petroleum Act just before the close of 1887-88, for a new method of testing distillation of spirits, and for temporary preventive establishment according to the requirements of trade. The only fluctuation in receipts was in 1888-89, and was due to smaller recoveries on account of demurrage.

26. The head *Assessed Taxes* represents the receipts from the income-tax. The contract estimate of the Provincial share, which was limited to half the revenue, was taken at Rs. 17,84,000, whereas the actuals in each year were Rs. 18,69,971, Rs. 19,55,698, Rs. 20,83,503, Rs. 21,19,441, and Rs. 21,54,140. The development of revenue has been steady and continuous. The aggregate gain to the Provincial revenues has been about 12½ lakhs of rupees during the currency of the contract. The average charge for the assessment and collection of the tax as debitable to the Provincial account, which is half of the total expenditure, amounted to Rs. 81,833 a year against the contract assignment of Rs. 85,000; but it rose from Rs. 75,705 in 1887-88 to Rs. 87,930 in 1890-91, and to Rs. 90,014 in 1891-92, and the rise has been in proportion to the growth of revenue, but chiefly for increased charges under the head of travelling allowance. A part of the increase is due to the separation of the offices of Excise Inspector or Sub-Inspector from that of Assessor of Income-tax, which was decided on in 1859, and fully carried out in 1890-91. Service in the Income-tax Department, which had formerly been treated as temporary, was at the same time declared to be permanent and pensionable. Districts were divided into five classes according to the average revenue from income, and five grades of Assessors were appointed on somewhat lower rates of pay than had previously been allowed. The effect of this reorganization has been to provide every district with an officer whose whole time is given to Income-tax work, and will lead to improve the quality of the work done by the Assessors, and make the assessment registers a trustworthy record of the taxable incomes in each district. The average incidence of the tax on the whole population of the province, excluding assessments on the salaries of Government officials, and the interest on Government securities, was in 1891-92 Re. 1 to every 19·2 persons, and the proportion of persons assessed for the whole of Bengal was 1 to 688.

27. The Forest Department in Bengal is of comparatively little importance from a revenue point of view. The following figures compare the net revenue in each year with the contract estimates:—

	Contract.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Receipts ... ..	7,00,000	6,57,794	6,76,907	7,64,717	7,27,392	7,89,563
Expenditure ... ..	4,50,000	3,80,717	3,76,203	3,97,969	4,13,332	4,21,440
Net revenue ... ..	2,50,000	2,68,077	3,00,704	3,70,748	3,14,060	3,69,083
Provincial share in net revenue ... ..	1,25,000	1,34,038	1,50,352	1,85,374	1,57,030	1,84,541

There was an abnormal fall in net revenue in 1890-91 in the Sunderbun Division, attributable in a large measure to local agricultural distress, and the presence of excess stock of *sundri* wood in the market. The gross revenue in 1891-92 was the largest ever obtained since the department was formed; and the net revenue amounted to Rs. 3,69,083, notwithstanding a heavy outlay of Rs. 31,500 on account of a new steamer *Swan* purchased for the department, and increased pay of establishments sanctioned by the Government of India. The surplus in 1888-89 would have been larger but for the depression of trade in Chittagong attributable to the frontier raids which prevented access to the more remote parts, and also for the grant of considerable concessions to the inhabitants of Orissa during the scarcity of that year.

The net revenue in each year has been more than was anticipated in the contract, and the net gain to the Provincial Government during the five years has been Rs. 1,86,335.

28. Under the head of *Registration* the figures of gross receipts must not be looked at alone, as this is a Department where, more than in most other cases, increase in expenditure on establishment produces increase of revenues. The following statement compares the net revenue from Registration in each year with the contract estimates:—

	Contract.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Receipts	10,76,000	10,17,825	10,03,544	12,00,006	12,59,079	13,34,313
Charges	5,90,000	5,78,463	5,09,469	6,28,631	6,29,743	6,83,474
Net receipts	4,86,000	4,39,363	4,94,085	5,71,435	6,29,336	6,50,839
Provincial share in receipts	2,43,000	2,19,681	2,47,042	2,85,717	3,04,668	3,25,419

It will be seen that, though the net revenue in the first year of the contract showed a decrease compared with the contract estimate, the revenue increased gradually every year, and that the Provincial revenues made a net profit of Rs. 1,67,527 under this head in the quinquennial period. These satisfactory results are greatly due to the steady expansion of Registration offices supervised by special, not official, agency, and to some extent to the speculation in gold and silver mining.

29. *Interest.*—Under the order contained in the Resolution of the Government of India, Finance Department, No. 13, dated the 13th January 1889, the control and management of loans and advances to municipalities and other public bodies (excluding Presidency corporations), to landholders and other notabilities, &c., have been made over to the Local Government. The total amount of loans and advances made under these orders and repayments received are shown in the following table:—

	1888-89.		1889-90.		1890-91.		1891-92.		Closing balance on 31st March 1891.
	Outgoings.	Receipts.	Outgoings.	Receipts.	Outgoings.	Receipts.	Outgoings.	Receipts.	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
ADVANCES TO CULTIVATORS—									
Loans under the Land Improvement Act ...	2,44,714	80,231	80,320	44,692	28,309	53,774	94,570	94,707	
Advances under the Agriculturists Loans Act ...	2,07,851	30,449	2,50,845	1,01,900	1,48,100	1,47,440	49,300	1,35,500	
Famine advances ...	5,318	4,731	79,309	0,776	16,782	492	.....	10,409	
ADVANCES UNDER SPECIAL LAWS—EM-BANKMENTS AND DRAINAGE ADVAN-CEs—									
Zamindari embankment advances ...	1,50,097	22,796	32,303	36,123	35,392	72,896	84,872	80,834	
Drainage advances—									
Amptea drainage ...	82	.....	.....	.....	.....	.....	.....	.....	
Howrah do. ...	2,04,808	34	1,651	3,330	14,766	.....	.....	.....	
Nadia do. ...	280	.....	.....	.....	.....	.....	.....	.....	
Rajapur do. ...	5,45,609	.....	2,98,497	808	76,764	.....	1,33,772	21,132	
Dankuni do. ...	73,665	33,060	3,201	13,636	2,154	12,794	.....	.....	
Protebhally do. ...	12	.....	.....	.....	.....	.....	.....	.....	
LOANS TO LANDHOLDERS ...	9,000	255	1,01,000	6,009	2,021	52,866	4,35,000	1,06,083	
LOANS TO MUNICIPALITIES AND OTHER LOCAL BODIES—									
Mufassal municipalities ...	24,900	1,771	30,000	1,851	1,80,000	71,936	37,500	5,462	
District Boards and other local bodies ...	505	205	.....	200	2,10,000	1,05,000	1,56,000	18,843	
Port Fund, Chittagong ...	.....	.....	.....	.....	61,455	.....	63,771	.....	
	15,76,783	1,53,884	8,27,176	2,01,114	2,12,341	5,17,507	10,50,694	4,93,024	28,02,768

It will be seen that during the last four years sums aggregating Rs. 42,47,000 has been advanced on all accounts, and Rs. 14,44,000 has been repaid. The interest received and paid by the Government of Bengal are:—

	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.	Rs.	Rs.
Receipts	.....	24,830	34,231	30,676	54,038
Charges	.....	45,802	67,697	84,401	1,01,241
Deficit	.....	20,982	33,466	53,725	47,203

The charges represent 4 per cent. on the mean balance outstanding on the close of every year, which is payable to the Government of India under the orders quoted above.

The gradual increase on the charge side is due to the larger mean balance outstanding at the close of each succeeding year. The above table shows that the loss to the Provincial Revenue from the new arrangement has amounted to Rs. 20,982 in 1888-89, Rs. 33,406 in 1889-90, Rs. 50,785 in 1890-91, and Rs. 42,308 in 1891-92. The loss for the first year has only been recouped by an additional grant from the Imperial Revenues under the head of Land Revenue. The loss is, however, only temporary, as the whole amount will be more than recovered when the drainage and embankment works, for which the major portion of the advances have been made, are completed, and interest will be recovered with instalments of capital from the zamindars and others who will be benefited by the works. The interest payable on the advances has been included in the capital cost of the works, while interest payable to the Government of India is charged on the amount advanced from the Imperial Treasury; and thus when the recoveries are made, the Government of India will receive only the amounts actually advanced, and the Provincial Government will get the balance, which will include the suspended interest on the capital expended.

Besides the receipts shown above, this head also comprises interest on the securities of the Education Department and interest on arrears of Public Works loans. The aggregate of these receipts, exclusive of interest on loans, amounted to—

	Rs.
1887-88	67,093
1888-89	72,563
1889-90	70,036
1890-91	58,833
1891-92	59,230

30. *Post Office*.—The charges under this head in 1891-92 represented the charges incurred in the South Lushai Hills for the carriage of mails.

31. The General Administration Charges have risen from Rs. 15,42,579 to Rs. 16,16,326 as shown below:—

1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
Rs. 15,42,879	Rs. 15,71,096	Rs. 16,20,623	Rs. 15,84,964	Rs. 16,16,326

The increase in 1888-89 and 1889-90 was due to the deputation of officers on special duty connected with the revision of the statistical accounts of Bengal, and to enquire into the excise systems of the Presidencies of Madras and Bombay. In 1889-90 again the charges under the sub-head "Board of Revenue" included the salary of a Member of the Board of Revenue of the North-Western Provinces paid in Calcutta and recovered by inter-provincial adjustment from the North-Western Provinces. The increase in 1891-92 was partly due to the appointment of a special officer in the Judicial Department of the Secretariat, and partly to the payment in Calcutta of salaries and leave allowances of officers of the local Secretariats of Burma and Assam.

32. *Law and Justice (Judicial Courts)*.—The following table compares the receipts and charges under this head with the assignments fixed in the contract:—

	Contract.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Courts of Law—						
Receipts	7,69,000	7,74,255	7,89,538	8,04,582	8,96,337	8,82,093
Charges	80,11,000	79,40,386	81,01,747	81,54,840	82,40,807	84,52,798
Net charges	72,42,000	71,66,131	73,12,199	73,50,258	73,44,470	76,00,700

No adequate provision was made in the contract for the improvement of Judicial establishments, which was left to be met from the improveable revenues made over to Provincial management. The increase of nearly 4½ lakhs in 1891-92 in the contract assignment represents the financial effect of the increase which has been found necessary in the number of Subordinate Judges and Munsifs and Judicial establishments generally. There has also been a partial improvement in the ministerial establishment of the Civil Courts sanctioned

in consequence of the recommendations made in the reports of Messrs. Toynbee and Stevens who were appointed to enquire into the subject.

33. *Jails*.—The receipts and charges of the Jails Department are shown below:—

	Contract.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Receipts—Ordinary ...	5,000	4,362	7,753	2,319	2,836	9,214
Manufactures ...	8,41,000	7,05,917	7,67,288	8,57,183	7,63,457	9,18,428
Total ...	8,46,000	7,10,279	7,75,021	8,59,502	7,66,293	9,27,642
Expenditure—Ordinary ...	6,39,000	10,02,033	11,46,915	13,14,794	12,09,509	13,57,196
Manufactures ...	10,89,000	6,29,057	6,48,880	5,84,284	8,30,738	6,64,810
Total ...	17,28,000	16,31,090	17,95,795	18,99,078	20,40,307	20,22,006
Net expenditure ...	8,82,000	8,20,811	10,20,774	10,39,576	12,74,014	10,94,364

The comparative smaller expenditure in 1887-89 was due to the release and remissions granted on the celebration of the Jubilee. The total jail population fell from 14,629 on 1st January 1887 to 13,210 on 31st December 1887, and to 11,990 on 31st March 1888. The Bhagalpur District Jail was abolished in that year. In 1888, 14 District Jails were reduced to the status of intermediate jails, and this reduction was sanctioned on the expectation that provision would have to be made for the accommodation of 11,000 prisoners. The population has, however, since then considerably increased, as the following table will show:—

	1888.	1889.	1890.	1891.	1892.
Number on 1st January ...	13,210	13,985	15,048	15,211	16,590
Daily average number ...	13,731	13,076	14,777	15,916	.....

and this increase accounts for the growth of charges shown in the table.

34. The falling off of receipts under the head *Police* from Rs. 7,05,000 fixed in the contract to Rs. 3,13,349 in 1887-88 was due to the transfer of pound receipts from Provincial to Local in the districts to which the Local Self-Government Act has been extended. The increase in 1888-89 as compared with the actuals of 1887-88 was due to the inclusion of the recoveries on account of the Village Police in Hazaribagh and Lohardaga, consequent on the introduction of Act V of 1887 in those districts. The increase from 1889-90 was chiefly due to the credit for the first time under the Provincial head of the recoveries on account of the Presidency and Suburban Police, as the Metropolitan Police has been wholly Provincial from that year. On the expenditure side the contract grant was fixed at Rs. 47,48,000, and the actual charges rose from Rs. 47,86,787 in 1887-88 to Rs. 48,34,099 in 1888-89, Rs. 52,93,625 in 1889-90, Rs. 58,65,884 in 1890-91 and Rs. 59,53,275 in 1891-92. The details are these:—

EXPENDITURE.	Contract.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Presidency Police ...		3,16,986	3,20,645	7,65,290	7,14,062	7,29,108
Superintendence ...		1,16,627	1,13,069	1,37,180	1,34,549	1,23,367
District Executive force ...		38,45,736	39,48,996	39,37,901	39,27,068	39,57,181
Village police ...		1,40,414	1,64,174	1,90,000	1,88,304	2,00,641
Special police ...		1,08,857	1,88,556	2,31,067	7,71,709	7,89,472
Cattle pounds ...		6,828	4,925	5,026	6,417	6,782
Steam-boiler inspection estab- lishment.		13,074	17,611	18,674	20,000	21,493
Refunds ...		79,842	5,550	6,219	36,350	50,677
State Railway Police ...		68,423	70,573	68,963	67,326	68,544
Total ...	47,48,000	47,86,787	48,34,099	52,93,625	58,65,884	59,53,275
Receipts ...	7,05,000	3,13,349	3,38,197	4,20,742	4,51,678	4,48,640
Net expenditure ...	40,43,000	44,73,438	44,95,902	48,66,683	54,14,206	55,04,635

The increase in 1888-89 was due to the entertainment of a large number of temporary Assistant Superintendents of Police, to the additional force

entertained in Darjeeling and Jalpaiguri, and to larger expenditure on account of contingencies, chiefly for petty construction and repairs, and rents, rates and taxes. The marked increase from 1889-90 has been, as already explained above, due to the entire charges of the Presidency and Suburban Police being paid from Provincial Revenues instead of in the proportion of one-fourth and three-fourths as before. Against this increase the Provincial revenues obtained an additional assignment of 2 lakhs from the Imperial revenues through the Land Revenue head. The charges in connection with the subjugation of the South Lushai district and the formation of the South Lushai Hills district have been adjusted in the Provincial accounts under this head from the year 1890-91, and this accounts for the large increase in the last two years. An assignment equal to half the cost of these charges incurred in the two years has been made to the Provincial Revenues and adjusted in the accounts of 1891-92. A part of the increase under District Executive Force in 1891-92 is due to the improvement effected in the position of the force by raising the clothing allowance of all constables from Rs. 4 to Rs. 5 and of the special reserve force from Rs. 6 to Rs. 8; stopping all deductions from pay for superannuation charges; and raising the pay of the lowest class of constables in Bengal Proper from Rs. 6 to Rs. 7. Free-kits are also now supplied to fresh recruits on their first joining the department.

35. The receipts and charges of the Marine Department are shown below:—

	Contract.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Receipts ... ..	8,08,000	9,10,006	9,11,731	8,54,297	9,18,736	9,65,408
Charges ... ..	7,81,000	9,16,601	10,71,139	12,11,342	9,30,470	9,42,251
Difference	+ 27,000	- 6,595	- 1,59,465	- 3,57,135	- 21,734	+ 23,157

The chief receipts are pilotage fees, which are of a fluctuating nature, and depend solely on trade and the tonnage of vessels visiting the port. There was a special receipt from the sale of the steamer *Undaunted* credited in 1888-89. A part of the increase since 1890-91 is due to the inclusion of surveyors' fees in the accounts from that year. On the expenditure side the charges in 1888-89 include the cost of building a pilot brig to replace the *Cassandra* at the India Government Dockyard at Bombay, for which an assignment of Rs. 1,91,423 has been received from the Government of India. The accounts of 1889-90 includes the cost of nearly four lakhs incurred in the purchase of the steamer *Guide* to replace the *Undaunted*. The charges for the maintenance of the State yacht *Rhotas* have been transferred to the Bengal Government from April 1890 with an assignment of Rs. 8,500 from the Imperial Revenues.

The net loss to the Provincial Revenues during the five years amounted to Rs. 5,21,682, against a gain of Rs. 27,000  $\times$  5 = Rs. 1,35,000, provided for in the contract, but against this loss of Rs. 5,21,682 + 1,35,000 = 6,56,682 must be set the—

	Rs.	Rs.
Additional assignment sanctioned by the Government of India for the new vessel to replace P. V. <i>Cassandra</i> ... ..	1,91,423	
Additional assignment sanctioned by the Government of India for up-keep of the <i>Rhotas</i> ... ..	17,000	
		2,08,423
so that the net loss to the Provincial Revenues compared with the contract assignment has amounted to ... ..		4,48,259

36. The contract assignment for expenditure on *Education* was Rs. 32,46,000. The actual charges in 1887-88, however, amounted to Rs. 24,22,221. This decrease is nominal and is due to the transfer of certain Government schools to local bodies on the formation of District Boards under the Local Self-Government Act. The grants to the District Boards have been adjusted under the head of Contributions. The combined expenditure from Provincial and District Funds in 1891-92 amounted to Rs. 25,51,574 + 11,05,375 = 36,56,949.

37. The ordinary *Political* charges were provincialised with an annual grant of Rs. 21,000 from the year 1888-89. The loss to the Provincial revenues amounted to Rs. 18,041 during the four years of the contract period.

38. The large increase of receipts under the head *Superannuation* in 1890-91 and 1891-92 arose from recoveries made in those years of the arrear contributions for the pensions of employes transferred to the establishments of District Boards.

39. The large increase under *Printing* receipts in 1890-91 was on account of the supplies of census forms made to other Governments and Administrations, for which there was an increased charge under "30—Stationery and Printing."

40. The contract provided for no capital expenditure on State Railways from the Provincial Funds, but the outlay required for the construction of the Kanna-Dhurla State Railway, which has been constructed entirely from Provincial funds, continued to be advanced from those Funds. In 1888-89 the steamer *Empress* attached to the Railway was sold, and the proceeds were credited to the Provincial Revenues. The actuals of 1890-91 include the cost of constructing 20 jute wagons for the Railway.

41. The following table shows the net financial results of the working of all Provincial Railways as compared with the contract estimates:—

	Contract.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
<i>Gross receipts.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>
Eastern Bengal State Railway ... ..	84,70,000	96,84,310	1,07,05,894	1,14,57,467	1,22,01,116	1,14,63,836
Nalhati ditto ... ..	79,000	84,064	1,04,589	1,04,440	1,00,084	92,363
Tirhut ditto ... ..	14,70,000	18,0,057	17,05,537	21,11,818	39,08,251	48,88,540
Total ... ..	1,00,19,000	1,14,88,421	1,25,19,020	1,36,73,525	1,62,04,451	1,64,44,728
Deduct Imperial share of the Eastern Bengal State Railway.	Nil	2,0,036	7,86,152	11,69,119	16,59,446	4,06,180
Provincial Total ... ..	1,00,19,000	1,12,73,485	1,17,33,868	1,25,04,406	1,45,45,003	1,60,38,548
<i>Working expenses.</i>						
Eastern Bengal State Railway ... ..	...	48,11,385	49,01,450	51,03,112	54,22,012	62,62,793
Nalhati ditto ... ..	...	61,910	85,414	75,935	78,317	48,177
Tirhut ditto ... ..	...	10,01,560	9,62,549	9,35,528	10,30,447	41,64,898
Total ... ..	59,61,000	59,31,865	59,49,007	60,44,035	71,30,516	1,04,66,868
Net earnings ... ..	40,58,000	53,38,620	57,84,861	64,19,771	75,14,187	55,73,680
Interest ... ..	28,02,000	30,61,696	32,61,382	34,32,670	36,61,546	38,98,508
Net profit ... ..	12,56,000	22,56,924	25,23,479	29,87,101	39,32,639	18,75,172

The working of the Tirhut State Railway has been transferred to the management of the Bengal and North-Western Railway Company from the 1st July 1890. Under the orders of the Government of India in the Public Works Department, the gross earnings of the combined system of the Bengal and North-Western Railway and the Tirhut State Railway, and the actual working expenses plus the share of net receipts payable to the Company, were treated as revenue and expenditure respectively in the accounts. In accordance with this arrangement, the earnings of the Bengal and North-Western Railway Company for nine months, from 1st July 1890 to 31st March 1891, were included in the Provincial account for 1890-91, but as the account with the Company had not been closed, the payment to the Company could not be made during that year, and the amount of net earnings was passed over from the Provincial to the Imperial account through the adjusting head of Land Revenue. The amount so credited to Imperial in 1890-91 for the nine months was Rs. 10,49,556. The actual payment to the Company was, however, not made till May 1891. In 1891-92, therefore, the Company obtained the net earnings for three half-years, or for eighteen months, from 1st July 1890 to 31st December 1891, and all these payments were again under the orders of the Government of India shown under Railways in the Provincial account for 1891-92. The payments from Provincial Revenues thus included double payments for six months, and for this over-payment a write-back of Rs. 5,94,043 has been made in favour of the Provincial Revenues through the adjusting head of Land Revenue. The increase of Rs. 8,40,741 in the working expenses of the Eastern Bengal State Railway shown in the above statement was due mainly to renewals of permanent way and partly also to compensation paid for goods lost in flats and arrear charges for freight on coal. The increase under the Tirhut Railway arose from the inclusion of twelve months' expenses of the Bengal and North-Western Railway instead of nine months shown in the preceding year.

42. The contract made no separate provision for charges under *Miscellaneous Railway expenditure*, which mainly represent the share of the Public Works Secretariat debitable to Railways, but these were provided for in the assignment for establishment under Civil Works. The charges on account of surveys for new railway projects incurred on the recommendation of the Local Government were also adjusted under this head. The following table shows the details of the expenditure :—

	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
	Ra.	Ra.	Ra.	Ra.	Ra.
Public Works Secretariat share ... ..	68,290	68,246	69,453	79,914	76,163
Western Bengal Railway Survey ... ..	.....	62,999	12,191	.....	.....
Darbhanga-Hitambarhi Survey ... ..	.....	9,067	.....	.....	.....
Bakri-Jaynagar survey ... ..	.....	2,380	866	.....	.....
<b>Total</b> ...	<b>68,290</b>	<b>1,42,692</b>	<b>82,510</b>	<b>79,914</b>	<b>76,163</b>

The total expenditure exclusive of Secretariat Establishment during the five years amounted to Rs. 87,503.

43. The following table shows the net financial result of the working of the Irrigation Major Works :—

	Contract.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.
Receipts ... ..	13,30,000	11,03,229	13,94,369	15,21,274	13,46,728	16,02,710
Working expenses ... ..	11,25,000	15,03,585	14,18,090	13,65,665	13,61,272	13,54,171
<b>Net profit</b> ...	<b>+2,05,000</b>	<b>(-4,00,356)</b>	<b>(-23,721)</b>	<b>(+1,65,709)</b>	<b>(-4,544)</b>	<b>(+2,48,539)</b>

The table shows that the contract provided for a net annual profit of Rs. 2,05,000 under Major Works, but the actual result amounted to a loss of Rs. 4,00,356 in 1887-88, Rs. 23,721 in 1888-89, and Rs. 4,544 in 1890-91, while there was a gain of Rs. 1,65,709 in 1889-90 and Rs. 2,48,539 in 1891-92. The total loss during the contract period amounted to Rs. 14,373, which was met from savings under other heads, while according to the contract it was estimated that  $\text{Rs. } 2,05,000 \times 5 = \text{Rs. } 10,25,000$  would be available from these canals to meet expenditure in other heads.

44. The expenditure on *Minor Works and Navigation* in charge of the Public Works Department exceeded the contract estimate in each year, as the following table will show :—

	Contract.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
<b>Capital.</b>	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.
Calcutta and Eastern Canals ... ..	.....	15,343	47,862	—169	5,673	—10,329
Midnapore Canal ... ..	.....	.....	.....	.....	4,412	14,469
Rijili Tidal Canal ... ..	.....	.....	.....	49,414	1,52,884	2,34,918
Orissa Coast Canal ... ..	.....	8,22,102	97,811	63,774	17,212	3,940
Saran Canal ... ..	.....	.....	.....	840	.....	.....
Damodar Project ... ..	.....	—1,200	—1,200	—1,200	—1,200	—1,200
<b>Total Capital</b> ...	<b>Nil</b>	<b>8,36,245</b>	<b>1,44,473</b>	<b>1,12,159</b>	<b>1,78,221</b>	<b>2,41,793</b>
<b>Revenue.</b>						
Orissa Coast Canal ... ..	.....	80,885	74,822	68,026	73,810	75,362
Calcutta and Eastern Canals ... ..	.....	2,13,312	2,81,967	2,67,046	3,00,684	3,28,627
Saran Canal ... ..	.....	28,120	34,897	38,313	37,403	12,638
<b>Total Revenue</b> ...	<b>2,36,000</b>	<b>3,21,317</b>	<b>3,91,686</b>	<b>3,73,385</b>	<b>4,20,897</b>	<b>4,16,627</b>
<b>Expenditure on Works for which no capital accounts have been kept.</b>						
Madia Rivers ... ..	.....	92,022	1,24,694	87,814	1,03,699	1,07,085
Eden Canal ... ..	.....	41,709	17,498	24,780	34,785	25,702
Tour (Madhuban) Canal ... ..	.....	9,821	4,194	9,337	11,827	10,606
<b>Total</b> ...	<b>1,34,000</b>	<b>1,43,612</b>	<b>1,46,386</b>	<b>1,21,931</b>	<b>1,50,321</b>	<b>1,43,393</b>
<b>Minor Works</b> ...	<b>3,70,000</b>	<b>8,01,174</b>	<b>6,92,845</b>	<b>6,07,475</b>	<b>7,60,139</b>	<b>8,01,518</b>
<b>Agricultural Works.</b>						
Government embankments ... ..	6,60,000	5,96,519	6,53,405	6,60,038	6,24,201	6,28,281
Tahavi embankments ... ..	1,28,000	1,21,840	1,20,796	1,51,647	1,26,648	1,29,997
<b>Total Agricultural Works</b> ...	<b>7,78,000</b>	<b>7,17,359</b>	<b>7,73,201</b>	<b>8,11,705</b>	<b>7,52,849</b>	<b>7,58,278</b>
<b>GRAND TOTAL</b> ...	<b>11,48,000</b>	<b>15,18,533</b>	<b>14,75,746</b>	<b>14,19,180</b>	<b>15,02,988</b>	<b>15,69,798</b>



In the contract no assignment was made for capital expenditure on Minor Works, but grants aggregating Rs. 4,91,000 were subsequently made for capital expenditure on the Orissa Coast Canal. The charges for remodelling the Hidgelee Tidal Canal have also been met by additional grants from the Imperial Revenues, but the Provincial Government has undertaken to pay interest at 4 per cent. on the capital advanced. The total expenditure under Minor Works in excess of Imperial assignment and grants has amounted to Rs. 8,08,027.

45. The large decrease of receipts under *Civil Works* in charge of civil officers, as compared with the contract estimate, was due to the transfer of ferry receipts from Provincial to Local under the Local Self-Government Act. The receipts of the Public Works Department in 1889-90 included the Provincial share of the sale proceeds of the Barakur Iron Works, while those for 1890-91 included the sale proceeds of the buildings and land in the north-west corner of the Custom House premises, Calcutta, sold to the East Indian Railway Company on the understanding that a sum equivalent to the proceeds would be expended on the construction of a new building for the Calcutta Collectorate and for the improvement of the Custom House.

46. The Contract assignment for *Civil works in charge of the Public Works Department* was Rs. 29,90,000, viz.—

	Ra. *
Original works ... ..	7,10,000
Repairs ... ..	12,22,000
Establishment excluding what is debitable to Railways	10,08,000
Tools and plant ... ..	50,000
Total ... ..	29,90,000

In 1888-89 the Calcutta and Jessore road was transferred to the District Boards of Jessore and the 24 Parganas, the Ganges and Darjeeling Road from Karagola and Titalya to the District Board of Purnea, and the Grand Trunk Road from Pulta ghat to Chote-kund (34 miles) to the District Board of Hooghly.

In 1889-90 the Grand Trunk Road from Chote-kund to Barakar (97½ miles), the Raniganj-Midnapore road from Raniganj to Damodar river (3 miles), the Sithona road from the Damodar river to the Grand Trunk Road (3½ miles), were transferred to the District Board of Bardwan. The Raniganj and Midnapore road from Damodar to Kurkazole and the Bishenpore Loop-line road (4 miles) were transferred to the District Board of Bankura. The Grand Trunk Road from Bhullua Chatti to the Sone river was transferred to the District Board of Gaya, and the Chittagong Trunk Road, passing through the districts of Chittagong, Noakhali and Tippera, was made over to the respective District Boards concerned.

The aggregate cost of the maintenance and repairs of these roads, transferred to the District Boards, amount to Rs. 2,72,472. Excluding these, the total expenditure on Civil works during the five years has been as follows:—

	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.	Total.
	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.
Original works—						
Civil buildings ... ..	7,67,000	11,58,000	12,08,000	11,12,000	10,71,000	53,24,000
Communications ... ..	1,14,000	5,84,000	4,15,000	4,78,000	5,04,000	21,61,000
Miscellaneous ... ..	2,00,000	84,000	42,000	1,70,000	59,000	3,64,000
Total ... ..	10,80,000	18,26,000	16,65,000	17,60,000	16,34,000	80,55,000
Repairs—						
Civil buildings ... ..	5,08,000	5,01,000	5,01,000	3,54,000	4,85,000	23,50,000
Communications ... ..	5,97,000	8,30,000	5,81,000	5,70,000	6,25,000	32,77,000
Miscellaneous ... ..	57,000	64,000	51,000	75,000	67,000	3,13,000
Total ... ..	11,62,000	13,95,000	10,42,000	10,00,000	11,80,000	58,44,000
Establishment ... ..	7,30,000	6,91,000	7,73,000	7,32,000	7,61,000	36,79,000
Tools and plant ... ..	17,000	48,000	57,000	47,000	51,000	2,63,000
Suspense ... ..	—2,34,000	—50,000	—4,75,000	—7,6,000	—	—4,06,000
Total ... ..	5,13,000	6,89,000	4,11,000	6,91,000	10,07,000	28,79,000
GRAND TOTAL ... ..	27,61,000	39,04,000	31,24,000	35,01,000	38,80,000	1,71,70,000

In the first year of the contract it was necessary to proceed with extreme caution in regard to the expenditure on Public Works. The grant could not be placed at a higher amount than the contract assignment less the cost of establishment debitable to the Irrigation grant, which was included in the assignment under Civil Works. The increased balance at credit of the Provincial Government at the end of the year, and the rapid growth of revenue under Railways, enabled the Lieutenant-Governor to spend on Civil Works during the last three years of the contract sums exceeding the assignment by 4, 8, and 11½ lakhs respectively.

The Provincial grant under this head is almost entirely spent on metalled or unmetalled roads and on Civil buildings. The outlay on Civil Works during the five years amounted to Rs. 1,71,75,000. In Calcutta a new building for the accommodation of the Police Court and the Fire-brigade has been completed, a new wing has been added to the Indian Museum in Sudder Street, a new building has been provided for the Port and Shipping Office, and considerable extension has been made to the Calcutta Small Cause Court. A new building for the Calcutta Collectorate and Income-Tax Office has been commenced, on which Rs. 82,336 has already been expended. The head-quarters of Chittagong have been provided with a set of Revenue and Judicial offices, at a cost exceeding 5 lakhs. Court-houses have been constructed at Dumka, Jalpaiguri, Mymensingh and Noakhali, and several sub-divisional Court houses and Munsifis have been built. A new collectorate building has been erected for Khulna, and a khas tahsil office at Cox's Bazar sub-division. Considerable expenditure has also been incurred in the construction and improvement of distillery buildings at Russa, Darbhanga, Bankipore, Monghyr, Rajmahal, Godda, Muzaffarpur, Chapra, and Arrah; while Chapra, Buxar, Narainganj, Kutwa, and Khulna have been provided with new circuit-houses.

47. In the contract the amount of contributions to Incorporated Local Funds was fixed at Rs. 1,59,000, thus:—

	Rs.
Payment to Road Committees for collection of Public Works	
cess ... ..	47,000
Payment to Road Committees for road works out of collections	
from Government estates ... ..	58,000
Contribution to District Road account in Chittagong Hill	
Tracts, Sonthal Parganas, and Singhbhum ... ..	54,000
Total ... ..	1,59,000

The actual grants, however, amounted to Rs. 2,61,063 in 1887-88, Rs. 7,50,184 in 1888-89, Rs. 11,82,950 in 1889-90, Rs. 8,94,450 in 1890-91, and Rs. 8,78,841 in 1891-92. The increase is due to the inclusion of the grants made to the District Boards in adjustment of the excess of charges over receipts transferred to them on the extension of the Local Self Government Act III (B.C.) of 1885.

The provisions of this Act were in force in 16 districts from 1st October 1886 and were extended from the 1st April following to all other districts in the Province except Darjeeling, the Chota Nagpur districts, the Sonthal Parganas and the Chittagong Hill Tracts. District Boards have been constituted in 38 districts, and Local Boards established in nearly all districts where there are sub divisions. The District Boards have been vested with the administrative control and financial responsibility of all cattle-pounds, of Government middle English, middle vernacular and public primary schools, or where there are none of the last-named, their duties are confined to aiding primary schools under private management. Some charitable dispensaries, all bridges, roads and other property hitherto under the care of District or Branch Road Committees, and most of the public ferries and their proceeds, have been placed under their control and administration; and lastly, the provisions of the Act which relate to sanitation have been expressly extended to them. The maintenance and repairs of certain provincial roads have also been transferred to them. Local Boards have been in most districts entrusted with the administration of the grants

for village roads, pounds, ferries and primary education. The net grants payable to the District Boards are shown in the following table:—

	Receipts.	Charges.
	Rs.	Rs.
Pounds (police) ...	4,20,153	22,297
Ferries (civil works) ...	2,96,076	3,758
Education ...	24,968	3,808
Medical ...	300	10,39,177
Stationery ...	.....	2,424
Miscellaneous ...	.....	16,750
Improvement of roads in Government estates out of percentage on collections ...	.....	3,676
Administration ...	.....	56,298
Maintenance of provincial roads ...	.....	11,292
		2,72,472
Total ..	7,41,497	
Net grant ...	6,90,455	
GRAND TOTAL ...	14,31,952	14,31,952

The comparatively smaller grants in 1887-88 were due to the fact that the adjustments for the year were not completed within the year, and the accounts of the next year include necessarily for the most part the net grants for two years.

The principal items of receipt and expenditure besides provincial roads transferred to the Boards are Pounds, Ferries and Education, and the following table shows the progress made in the last two years under these heads:—

	Fixed assignment made from provincial revenue.		1890-91.		1891-92.	
	Receipts.	Expenditure.	Receipts.	Expenditure.	Receipts.	Expenditure.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Education ...	24,968	10,39,177	33,496	10,01,855	37,803	11,06,375
Pounds ...	4,20,153	22,297	4,43,775	29,618	4,72,187	33,874
Ferries ...	2,96,076	3,808	3,33,558	53,166	3,76,661	38,458
Government grant ...	3,21,085	.....	3,24,085	.....	3,24,085	.....
Total ...	10,65,282	10,65,282	11,39,914	10,84,638	12,08,739	11,77,707
Surplus (+) or Deficit(—)	Nil	Nil	+55,276	.....	+32,032	.....

The receipts under these heads have increased by Rs. 1,44,457, while the expenditure has risen by Rs. 1,12,425.

48. The general financial results of the contract of 1887 may be summarised thus: the Provincial resources which were estimated at Rs. 4,64,47,000 averaged Rs. 5,15,29,000, being an increase of Rs. 50,82,000; the expenditure, which was estimated at Rs. 4,64,47,000, averaged Rs. 5,14,52,000, showing an increase of Rs. 50,05,000. The chief branches of revenue which contributed to the increase of receipts were Stamps, Provincial Rates, Assessed Taxes and Railways. The contract period began with a balance of Rs. 19,90,000 and closed with a balance of Rs. 23,85,000.

#### PART IV. - THE NEW CONTRACT.

49. Such were the results of the five years' contract of 1887, the term of which has just expired with the year 1891-92. A new contract has now been made for another period of five years, commencing from 1st April 1892, under which no material change in the system of decentralization has been made, but the contract has been expressly declared to be a consolidated one for all Provincial revenue and

expenditure, and not a collection of separate assignments for each head. The following changes have been made in the Provincial receipts and charges. The cost of surveys and settlements under Land Revenue, which under the last contract was entirely Provincial, has been made Imperial, with the reservation that, if the recoveries on account of the survey and settlement operations in Bihâr fall short of the expenditure which is recoverable from the zamindars and raiyats, the difference will be charged to the Provincial Revenues. The whole of the general establishment of the Accountant-General has been made Imperial, but the charges of the Examiner of Local Accounts and his establishment will continue to be Provincial as before. The cost of plain paper used with court-fee stamps will be charged under "6—Stamps" instead of, as in the past, under "30—Stationery." All police charges, including Railway Police, have been made Provincial. The salaries and allowances of officers on the cadre of the Civil Veterinary Department will be Imperial, but all other charges of that department have been made Provincial. Inter-provincial adjustments have been abolished. The Nalhati and the Tirhut State Railways have been made Imperial, while the net receipts of the Eastern Bengal Railway system will be divided equally between the Imperial and the Provincial Revenues. It has also been decided that the Government of Bengal will not exercise any administrative or financial powers in regard to railways. The capital expenditure on the Hidgeleeo tidal Canal required to complete the work will be advanced from Imperial Funds, the Provincial Government paying interest as before. After making allowance for all these alterations, the Government of India have adopted the following figures as the estimates of the total Provincial revenue and expenditure for the new contract:—

				Rs.
Revenue from all sources	...	...		4,24,93,000
Total Provincial expenditure	...	...		4,10,54,000
Surplus	...	...	...	14,39,000

This surplus (Rs. 14,39,000) has been appropriated to the Imperial Revenues through the Land Revenue head, and the Province has thus been left with a revenue and expenditure exactly equal.

#### BUDGET ESTIMATE FOR 1892-93.

50. The Lieutenant-Governor has already in separate Resolutions reviewed the estimates of receipts and expenditure for the current year. Later information, however, has led to a modification of these in some respects. The following table shows the estimates of the Local Government submitted to the Government of India, the figures accepted by the Government of India, and the estimates which the Lieutenant-Governor has finally resolved to adopt:—

RECEIPTS.	Estimate of the Government of Bengal reported to the Government of India.	Estimate sanctioned by the Government of India.	Estimate now adopted.	EXPENDITURE.	Estimate of the Government of Bengal reported to the Government of India.	Estimate sanctioned by the Government of India.	Estimate now adopted.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Opening balance	19,70,000	30,00,000	23,80,000	Direct demand on the Revenue—			
Principal Heads of Revenue—				1. Refunds and drawbacks	1,50,000	1,50,000	1,50,000
I.—Land Revenue { Proper	30,52,000	30,52,000	30,78,000	2. Assignments and compensations	1,40,000	1,40,000	1,40,000
Adjustments.	(—) 14,82,000	(—) 14,82,000	(—) 15,01,000	3. Land Revenue	33,03,000	33,03,000	33,03,000
III.—Salt	1,30,000	1,30,000	60,000	4. Salt	58,000	58,000	1,27,000
IV.—Stamp	1,11,38,000	1,11,75,000	1,10,53,000	5. Stamps	4,20,000	4,20,000	4,20,000
V.—Excise	27,37,000	27,37,000	28,00,000	6. Excise	1,70,000	1,70,000	1,70,000
VI.—Provincial rates	45,17,000	44,17,000	45,17,000	7. Provincial Rates	4,62,000	4,62,000	4,62,000
VII.—Customs	57,000	57,000	50,000	8. Customs	5,58,000	5,58,000	5,58,000
VIII.—Assessed taxes	21,50,000	21,50,000	21,55,000	9. Assessed taxes	95,000	95,000	183,000
IX.—Forts	4,10,000	4,10,000	4,00,000	10. Foreign	2,40,000	2,40,000	2,27,000
X.—Registration	5,80,000	5,80,000	5,85,000	11. Registration	3,40,000	3,40,000	3,53,000
Total	8,01,88,000	8,03,48,000	8,09,00,000	Total	60,15,000	60,15,000	61,04,000
XII.—Interest	1,02,000	1,02,000	1,02,000	13. Interest on ordinary debt	1,30,000	1,21,000	1,21,000
Receipts by Civil Department—				Salaries and expenses of Civil Department—			
XVI.—Law and Justice	8,70,000	8,70,000	8,70,000	14. General Administration	15,48,000	15,48,000	15,67,000
Courts of Law	9,00,000	9,00,000	9,00,000	15. Law and Courts of Law	84,38,000	84,38,000	84,38,000
Jails	4,00,000	4,00,000	2,40,000	16. Justice (Jails)	21,00,000	21,00,000	20,80,000
XVII.—Police	9,68,000	9,68,000	8,60,000	17. Police	57,00,000	57,00,000	56,50,000
XVIII.—Marine	6,10,000	6,10,000	8,75,000	18. Marine	8,85,000	8,85,000	8,10,000
XIX.—Education	1,50,000	1,50,000	1,50,000	19. Education	25,00,000	25,00,000	25,00,000
XX.—Medical	1,47,000	1,47,000	1,47,000	20. Medical	15,00,000	15,00,000	15,50,000
XXI.—Scientific and other Minor Departments	41,05,000	41,05,000	37,02,000	21. Political	20,000	20,000	20,000
Total	41,05,000	41,05,000	37,02,000	22. Scientific and other Minor Departments	3,25,000	3,25,000	3,39,000
Miscellaneous—				Total	2,32,20,000	2,32,20,000	2,31,39,000
XXII.—Receipts in aid of Superannuation	71,000	71,000	65,000	23. Superannuation, &c.	16,30,000	16,30,000	16,80,000
XXIII.—Stationery and Printing	1,36,000	1,36,000	1,36,000	24. Stationery and Printing	9,00,000	9,00,000	9,00,000
XXV.—Miscellaneous	7,64,000	7,64,000	7,64,000	25. Miscellaneous	2,30,000	2,30,000	2,30,000
Total	9,71,000	9,71,000	9,65,000	Total	28,40,000	28,40,000	29,00,000
Railways—				Income Relief and Insurance—			
XXVI.—State Railways (gross earnings)	32,00,000	32,00,000	31,00,000	26. Famine relief	1,00,000	1,00,000	1,50,000
Irrigation—				Railways (Revenue account)—			
XXIX.—Major works (direct receipts)	13,23,000	14,09,000	16,00,000	27. Subsidized Companies—Land, &c.		8,000	24,000
XXX.—Minor works and Navigation—				Education—			
By Public Works Department	8,43,000	8,43,000	8,60,000	28. Major works—			
By Civil Department	1,03,000	1,03,000	1,17,000	Working expenses	13,73,000	13,73,000	14,23,000
Total	23,39,000	24,14,000	25,17,000	Interest on debt	24,27,000	24,28,000	24,28,000
Buildings and Roads—				29. Minor works and Navigation—			
XXXII.—Civil Works—				By Public Works Department	11,12,000	10,45,000	16,17,000
By Public Works Department	2,30,000	2,30,000	2,30,000	By Civil Department	2,000	2,000	6,000
By Civil Department	2,20,000	2,20,000	2,20,000	Total	51,14,000	54,40,000	54,74,000
Total	4,50,000	4,50,000	4,50,000	Buildings and Roads—			
Total	4,14,21,000	4,16,51,000	4,19,57,000	30. Civil Works			
GRAND TOTAL	4,33,01,000	4,36,51,000	4,43,22,000	By Public Works Department	31,84,000	29,71,000	30,20,000
				By Civil Department	2,20,000	1,70,000	2,40,000
				Total	34,04,000	31,50,000	30,77,000
				Contributions	8,13,000	7,43,000	11,80,000
				Total	4,16,74,000	4,16,51,000	4,21,08,000
				Closing balance	17,18,000	20,80,000	21,54,000
				GRAND TOTAL	4,33,01,000	4,36,51,000	4,43,22,000
				Provincial surplus (+) or deficit (—)	(—) 12,57,000	.....	(—) 12,31,000

## RECEIPTS.

51. *Land Revenue.*—The Government of India have accepted the estimate of total collections under this head as passed by the Local Government for 1892-93, amounting to Rs. 3,83,95,000 against Rs. 3,83,51,000, the average receipts of the last five years. The collections in the first five months of the current year amounted to Rs. 74,38,000 against Rs. 70,28,000 in the corresponding period of last year. But the September kist having fallen during the holidays, the collections to the end of that month were Rs. 1,20,57,000 against Rs. 1,30,12,000 obtained during the same period last year. The October returns, however, show that the collection in that month exceeded those of the same month last year by Rs. 8,42,000. In view of these figures the Lieutenant-Governor does not anticipate that there will be any serious falling off at the end of the year, but with reference to the actuals of the last three years amounting to Rs. 3,88,82,000,

Rs. 3,88,19,000, and Rs. 3,86,80,000, would raise the estimate to Rs. 3,85,00,000 and place the Provincial share at Rs. 99,78,000 thus:—

				Rs.
Gross revenue	...	...	...	3,85,00,000
Less percentage on collections from Government estates	...			4,71,000
				<hr/> 3,80,29,000
Provincial share	...	...	...	95,07,000
Percentage on collections	...	...	...	4,71,000
				<hr/> 99,78,000

52. *Adjustments.*—Under the orders of the Government of India in the Public Works Department, the construction of a new Telegraph office at Sirajganj and the maintenance of certain Imperial buildings and works have been transferred to the District Boards with grants amounting to Rs. 32,352. The grants to the District Boards have been passed through the adjusting head of Contributions from Provincial to Local, and, subject to the final orders of the Government of India in the Finance and Commerce Department, a credit for this amount has been taken under Land Revenue. The Government of India have consented to bear from the Imperial Revenues only half the amount of honorarium granted to Mr. Kilby for his patent salt-weighing scale. A credit for Rs. 37,500 has accordingly been taken on this account. The total payment to Imperial Revenues under Land Revenue adjustments will then amount to Rs. 13,01,000, thus:—

		Rs.	Rs.
Fixed contribution to Imperial	...	...	14,39,000
Deduct—			
For transfer of Imperial buildings to Local Funds	...	32,352	
Honorarium to Mr. Kilby	...	37,500	
Hidgallee Tidal Canal	...	68,500	
		<hr/> 1,38,352	
		Or in round numbers	1,38,000
		<hr/>	
		Net payment	13,01,000

53. *Salt.*—The receipts from warehouses during the first six months amounted to Rs. 28,152 against Rs. 44,747 during the six months of last year. The total receipts in last year amounted to Rs. 1,11,000. It will not be safe, therefore, to place the estimate for the current year at a higher figure than Rs. 90,000.

54. *Stamps.*—The estimate of total revenue under this head, as passed by the Government of India, amounts to Rs. 1,49,00,000. The statements of the Comptroller-General and District Returns show that the receipts in the first eight months of the current year amounted to Rs. 99,37,000 against Rs. 96,34,000 obtained in the corresponding period of last year, showing an increase of more than three lakhs in eight months. The actual receipts in 1891-92 amounted to Rs. 1,51,00,000, and the Lieutenant-Governor thinks that the estimate for 1892-93 may be raised to Rs. 1,55,00,000. The Provincial share will be Rs. 1,16,25,000.

55. *Excise.*—The estimate of total revenue under this head amounts to Rs. 1,09,50,000. The monthly returns show that the receipts in the first eight months of the current year were Rs. 1,85,000 in excess of the receipts of the corresponding period of last year. The total collections in 1891-92 amounted to Rs. 1,11,34,000, and the results of the recent settlement of excise shops for the current year show an increase of about 4 lakhs in license fees as compared with those of the last year. In view of these figures, and of the fact that the crops in Behar show great promise, the estimate for 1892-93 will be raised to Rs. 1,14,00,000. The Provincial share will stand at Rs. 28,50,000.

56. *Provincial Rates.*—The estimate of total receipts under this head amounts to Rs. 44,17,000 against Rs. 45,25,000, the approximate actuals of 1891-92. The collections in the first eight months of the current year fell short of those of the corresponding period of last year by Rs. 19,000. In view of these figures,

the Lieutenant-Governor does not consider it safe to raise the original estimate, which stands at Rs. 44,17,000 against Rs. 45,25,000, the actuals of last year.

57. The Provincial receipts under Customs during the first seven months of the current year amounted to Rs. 26,424 against Rs. 34,117 in the corresponding period of last year. The total receipts in 1891-92 were Rs. 57,100. The estimate for the current year will be reduced from Rs. 57,000 to Rs. 50,000.

58. *Assessed taxes.*—The receipts under this head during the first eight months of the current year amounted to Rs. 29,91,000 against Rs. 29,38,000 obtained in the corresponding period of last year, showing an increase of Rs. 63,000. The total receipts in 1891-92 amounted to Rs. 43,08,000, and looking to the steady growth of this revenue, the Lieutenant-Governor would raise the estimate to Rs. 43,50,000. The Provincial share will stand at Rs. 21,75,000.

59. *Forests.*—The Conservator of Forests anticipates a decrease of Rs. 32,000, chiefly owing to the abandonment of the departmental system of collections and supply of timber and other forest produce which has been approved by Government, and has also made a reduction of Rs. 27,000 on the expenditure side. The provincial share of receipts has accordingly been reduced from Rs. 4,16,000 to Rs. 4,00,000.

60. The Registration receipts during the first seven months were Rs. 8,31,000 against Rs. 8,02,000 of the same period of last year showing an increase of Rs. 29,000. The actuals of 1891-92 were Rs. 13,34,000. In view of the steady expansion of revenue under this head, the estimate will be raised from Rs. 13,60,000 to Rs. 13,70,000. The provincial share will stand Rs. 6,85,000. A corresponding increase has also been made on the expenditure side.

61. *Police.*—The estimate under this head amounts to Rs. 4,60,000, which includes Rs. 25,000 for recoveries on account of clothing from District Executive Force. Under the orders of the Government of India, No. 458, dated the 31st July 1891, the clothing allowance of the constables has been raised from Rs. 4 to Rs. 5 per head, and in the case of special reserve from Rs. 6 to Rs. 8, and this will be sufficient to cover the cost of uniforms, so that no recoveries will virtually be made from the pay of the force, and free kits are also supplied to fresh recruits on their joining the Department without any deductions from their pay. The provision of Rs. 25,000 will therefore be struck out. But as the actuals of the first seven months of the current year irrespective of these recoveries show an increase of Rs. 18,000 as compared with those of the corresponding period of last year, the original estimate of Rs. 4,60,000 does not appear to be high. As, however, under the orders of Government, No. 3775F., dated the 12th October 1892, two separate local accounts have been opened for the receipts and charges hitherto included under the Provincial Minor head of Village Police, the estimate which includes Rs. 1,94,000 on the receipt side, and Rs. 2,20,000 on the expenditure on this account, will be reduced by these amounts. The estimate of receipts will accordingly be reduced to Rs. 4,60,000—Rs. 1,94,000=2,66,000.

62. *Marine.*—The receipts during the first seven months of the current year amounted to Rs. 4,18,081 against Rs. 5,58,110 obtained in the corresponding period of last year, showing a decrease of Rs. 1,40,000. The fluctuations are chiefly under pilotage receipts. The aggregate receipts in 1891-92 amounted to Rs. 9,65,408, and the Lieutenant-Governor does not think that the estimate for the current year can be placed at a higher figure than Rs. 8,60,000 against Rs. 9,68,000 originally estimated.

63. *Education.*—The actual receipts amounted to Rs. 5,75,686 in 1890-91, and Rs. 5,95,122 in 1891-92. The latter amount, however, includes a special refund of Rs. 19,000 made by the District Board of Jessore on account of charges formerly erroneously debited to Provincial account. The receipts in the first seven months of the current year show a decrease of Rs. 30,000 as compared with those of the corresponding period of last year. Looking to all these circumstances, the Lieutenant-Governor would place the estimate at Rs. 5,75,000, equivalent to the actuals of 1890-91, against Rs. 6,10,000 originally estimated.

64. *Superannuations.*—The estimate of receipts under this head for 1892-93 amounts to Rs. 71,000 against Rs. 1,26,574, the approximate actuals of 1891-92. The actuals of last year included arrear contributions received on account of the employes of District Boards, whose services had been declared to be qualifying for pension. No such arrears are expected this year, and the collections in

the first seven months amounted to Rs. 42,226, against Rs. 84,562 in the corresponding period of last year. Under the orders of the Government of India, Home Department, No. 253, dated the 12th August 1892, no contributions for pensions are now payable by the Sub-Inspectors of Schools transferred to the District Boards. Looking to all the circumstances, the estimate will be reduced to Rs. 65,000.

65. *Railways*.—Under the terms of the new Provincial Contract with the Government of India, the net receipts of the entire Eastern Bengal State Railway System are to be equally divided between the Imperial and Provincial Governments. The other Railways have been made Imperial. The following statement compares the estimate of the Government of India for 1892-93 with the actuals of 1891-92:—

			Actuals, 1891-92.	Estimate passed by the Government of India, 1892-93.
			Rs.	Rs.
Receipts	...	...	1,14,63,835	1,18,00,000
Expenditure	...	...	62,62,793	51,00,000
Not earnings			52,01,042	64,00,000

The approximate gross earnings of the Eastern Bengal State Railway System from 1st April to 26th November 1892 amounted to Rs. 79,36,000 against Rs. 80,27,000 obtained from 1st April to 28th November 1891, but the traffic is now improving, and a large quantity of jute is still waiting for despatch. Looking to all the circumstances, the Lieutenant-Governor does not think that it will be safe to place the estimate of net receipts at a higher figure than Rs. 62,00,000. Half of this, Rs. 31,00,000, is Provincial, and this amount has been entered in the estimate, against Rs. 32,00,000 originally passed by the Government of India.

66. *Irrigation Major Works*.—The latest returns from the Examiner of Accounts show that the receipts during the first six months of the current year were Rs. 2,73,000 in excess of those during the corresponding period of the past year. The actual collections in 1891-92 amounted to Rs. 16,02,710, and the estimate for the current year, which stands at Rs. 14,68,000, will be raised to Rs. 16,00,000.

67. *Irrigation Minor Works*.—The returns of the Examiner show that the receipts in the first six months of the current year from Minor Works in charge of the Public Works Department, amounted to Rs. 3,17,603 against Rs. 3,59,951 realised in the corresponding period of last year. The total receipts in 1891-92 amounted to Rs. 8,17,934: the actuals of the first six months show a decrease of Rs. 43,384. The estimate will be reduced from Rs. 8,43,000 to Rs. 8,00,000. On the other hand the estimate of receipts by Civil Officers will be raised from Rs. 1,03,000 to Rs. 1,17,000 on account of the recoveries to be made of the capitalized maintenance charges of the Dankuni drainage.

#### EXPENDITURE.

68. *Assignments and compensations*.—The actuals in 1891-92 amounted to Rs. 1,66,129 and included arrear payments. But looking to the actuals of the first six months of the current year, amounting to Rs. 1,00,319, the Lieutenant-Governor would raise the estimate for 1892-93 from Rs. 1,60,000 to Rs. 1,80,000.

69. *Land Revenue*.—The estimate under this head, amounting to Rs. 33,63,000, will be raised by Rs. 2,000 to meet the cost of an accommodation boat for the Collector of Cuttack, and by Rs. 3,000 on account of additional establishment applied for for the South Lushai Hills District. The revised estimate submitted by the Commissioner for this district is under consideration, but, pending final orders, the provision will be allowed to stand. The amalgamation of all criminal and revenue process-serving establishments recently sanctioned may increase the number of naib-nazirs or bukshis in certain districts, but the centralisation of the amalgamated establishment under one controlling authority will lead to a reduction in the number of peons employed, and more than compensate for the additional cost of the nazir's assistant. No increased grant will be necessary on this account. The estimate will stand at Rs. 33,68,000.



70. *Salt*.—The estimate under this head, amounting to Rs. 52,000, will be raised by Rs. 75,000, the payment of which amount has been sanctioned by the Secretary of State to Mr. Kilby as honorarium for his patent scales for the weighment of salt. The grant will now stand at Rs. 1,27,000.

71. *Forests*.—As stated in paragraph 59 above, the Conservator of Forests has reduced the grant of the Forest Department by Rs. 27,000. The Provincial grant will stand at Rs. 2,27,000.

72. *General Administration*.—The grant under this head for the current year will be raised by a transfer of Rs. 4,124 to meet the cost of the additional establishment of the Marine Branch of the Public Works Secretariat, and by Rs. 15,000 for the temporary appointment of an additional Commissioner for the Patna Division. The estimate will now stand at Rs. 15,67,000.

73. *Jails*.—The estimate under this head will be reduced by Rs. 13,607, which has been made over to the Public Works Department for the construction of works for the supply of drinking water to the Arrah Jail. The grant will stand at Rs. 20,86,000.

74. *Police*.—The estimate under this head, amounting to Rs. 57,90,000, includes Rs. 3,73,000 for the South Lushai Hill Force. The revised estimate of the South Lushai District just received from the Commissioner of the Chittagong Division, provides for a total expenditure of Rs. 7,24,146 against Rs. 4,97,000 provided in the budget, thus:—

	Estimate passed by the Government of India.	Revised estimate now resubmitted by the Commissioner.
	Rs.	Rs.
Land Revenue, including postal runners	18,000	21,048
Police—		
Force and establishment ...	1,57,000	1,45,864
Permanent transport and rations ...	2,16,000	{ 2,29,699
Temporary ditto ...		
Proportionate cost of supplies to Military Department, Rs. 76,590, debitable to		
Police ...	.....	54,376
Medical ...	19,500	20,282
Political ...	7,500	7,500
Civil works ...	79,000	59,368
Total ...	4,97,000	7,24,146

The estimate provides Rs. 4,70,084 for transport and rations and Rs. 1,45,864 for salaries and allowances of the Police and Commissariat Departments. The estimate of transport and rations is no doubt susceptible of considerable reduction, and, pending final orders, a lump provision of 3 lakhs will be made in the budget on this account. The total grant for Police of the South Lushai Hills will then stand at Rs. 4,45,864 against Rs. 3,73,000 passed by the Government of India, making an increase of Rs. 72,864. The total grant of the Police Department will also be raised by Rs. 10,593 to meet the cost of constructing a new steam-launch at the Government Dockyard for the District Superintendent of Police, Backergunge, and by Rs. 5,280 on account of the scheme recently sanctioned, by which the Court Sub-Inspectors will be employed as prosecuting officers, with effect from January 1893. The annual cost of this scheme is estimated at Rs. 21,120. Against these increases the estimate will be reduced by Rs. 2,20,000 on account of the charges hitherto included under village Police. The total grant will stand at Rs. 56,58,737, or Rs. 56,59,000 in round numbers.

75. *Marine*.—The estimate under this head, amounting to Rs. 8,85,000, does not include any provision for the purchase of new vessels. A new vessel to replace the *Coleroon* is now under construction at the Bombay Dockyard at a rough estimated cost of two lakhs, but the Public Works Department has recently reported that a sum of Rs. 25,000 only will be required on this account in the current financial year. The estimates will therefore be raised by Rs. 25,000, and will be placed at Rs. 9,10,000.

76. *Scientific and other Minor Departments.*—The estimate under this head amounting to Rs. 3,25,000, includes a provision of Rs. 15,000 for the maintenance of a "Veterinary School and Hospital" for the construction of which a donation of Rs. 30,000 was received from Babu Shewbux Bagla. As the construction of the hospital has not yet commenced, a grant of Rs. 5,000 will probably be sufficient on this account. Against this saving a grant of Rs. 6,000 has been made to the Indian Museum for the repairs of the Black Pagoda (Kanarak) in the district of Puri, and a grant of Rs. 10,000 has been sanctioned as contribution towards the representation of Indian tea at the Chicago Exhibition. A grant of Rs. 5,000 has also been promised for the repairs of roads in the Royal Botanic Gardens, and a further grant of Rs. 2,000 has been sanctioned to the Asiatic Society for the addition of a third section to the journal dealing with anthropology and ethnography. The total grant will now stand at Rs. 3,38,000.

77. *Superannuations.*—The Provincial expenditure under this head has been as follows:—

		Rs.	Increase. Rs.
1887-88	...	12,80,000	
1888-89	...	13,70,000	90,000
1889-90	...	14,36,000	66,000
1890-91	...	15,13,000	77,000
1891-92	...	16,00,000	87,000
Estimate ... 1892-93	...	16,20,000	20,000

The increase in the last four years amounted to Rs. 3,20,000, or an average of Rs. 80,000. The actuals of the first seven months of the current year show an increase of about Rs. 63,000 as compared with the corresponding period of last year. In view of these figures, it will not be safe to place the estimate for the current year at a lower figure than Rs. 16,80,000.

78. *Famine Relief.*—The charges shown in the Accountant-General's monthly account for the first five months of the current year amounted to Rs. 1,623 only, but the adjustments with the District Boards will not probably be made before the close of the year. A provision of Rs. 1,50,000 will be made under this head.

79. *Subsidized Company's Land.*—The estimate under this head has been raised from Rs. 8,000 to Rs. 24,000 to meet the cost of land for the Bengal Duars Railway.

80. *Irrigation Major Works.*—The estimate of the Government of India, amounting to Rs. 13,73,000, will be raised by Rs. 50,000 to enable the Public Works Department to meet urgent demands on account of heavy damages done by the floods in Orissa.

81. *Minor Works and Navigation by Public Works Department.*—The estimate under this head as passed by the Government of India amounts to Rs. 16,45,000. A sum of Rs. 637 has been placed at the disposal of the District Board of Malda for the maintenance and repairs of embankments in that district entrusted to the Board's agency for a period of four years. Further grants of Rs. 120 and Rs. 72 have been made to the District Road Account of the Southal Parganas and the District Board of Monghyr to meet the pay of the gauge readers at Sahabgunge and Monghyr respectively. It also appears from the rate of progress of work in the canals that it is unlikely that the full grant will be utilized during the current year, and that it will be enough if the grant is placed at Rs. 15,65,000. But this will be raised by Rs. 52,000 to effect an adjustment of the value of stock stores of the Orissa and Some canals, which will probably be transferred from Capital to Provincial Minor Works Account.

82. *Minor Works in charge of the Civil Department.*—The actual expenditure in the first five months of the current year has amounted to Rs. 3,035. The estimate for the year will be raised from Rs. 2,000 to Rs. 6,000.

83. *Civil Works by Public Works Department.*—The grant for Provincial Civil Works for the current year was originally fixed by the Local Government at Rs. 31,84,000, but the Government of India, while passing orders on the budgets

for 1892-93, reduced it to Rs. 29,71,000. This has further been reduced to Rs. 27,41,000 by the following additions and deductions:—

	Rs.	Rs.
As originally fixed ... ..		29,71,000
Add—		
Grant for the supply of drinking-water to the Arrah jail ... ..	13,607	
Cost of land for Veterinary School and Hospital ...	10,000	
Grant for the additions and alterations to the Russa and Maniktolla distillery ...	27,944	
Grant for the Hospital at Rajshahi ... ..	1,817	
Grant for the Sirajganj Sub-divisional House and Court ... ..	33,186	
		86,554
		30,57,554
Deduct—		
Amount transferred to General Administration for establishment of the Marine Branch ...	4,124	
Withdrawal for the new cemetery at Calcutta ...	60,000	
Amount transferred to District Boards, &c., for the construction and maintenance of Provincial Buildings ... ..	3,57,990	
Amount transferred to Chittagong Hill Tracts ...	6,071	
		4,28,185
		26,29,369
	or in round numbers	26,29,000

A further grant of two lakhs is required to enable the Public Works Department to undertake several urgent works which can no longer be postponed. The total grant will now stand at Rs. 28,29,000.

84. *Civil Works by Civil Department.*—The estimate under this head was originally passed by the Local Government for Rs. 2,20,000, but the Government of India reduced it to Rs. 1,79,000, thus:—

	Local Government.	Government of India.
	Rs.	Rs.
Lushai charges ... ..	79,000	79,000
Ferries ... ..	13,663	14,000
Contributions ... ..	62,000	62,000
Refunds ... ..	24,337	24,000
Improvements at Hastings (Calcutta) ...	41,000	.....
Total ... ..	2,20,000	1,79,000

The revised estimate for the South Lushai Districts, now submitted by the Commissioner of Chittagong, provides Rs. 59,368 for works in that district. The estimate will accordingly be reduced by Rs. 20,000, but as there are several applications from municipalities for grants-in-aid, and the improvements at Hastings may be taken up this year, the grant will be placed at Rs. 2,10,000. This will be further raised by Rs. 37,906, in case it is finally decided to debit to this head the compensation paid during the current year for the acquisition of certain lands adjoining the Cantonment grounds on Lebong spur.

85. *Contributions.*—The grants made to the several District Boards to establish equilibrium between the receipts and charges transferred to their management amount to Rs. 4,44,735, and the grants for the maintenance of Provincial roads transferred to their charge for the current year amount to Rs. 2,39,720. The grants to the District Road Funds and District Road Accounts as passed in the Incorporated Local Funds budget for 1892-93 amount to

Rs. 7,500 and Rs. 59,000 respectively. The total comes up to Rs. 7,50,955. The following further grants have since been sanctioned :—

	Rs.
Amount transferred to District Boards, &c., for the construction and maintenance of Provincial Civil Works ... ..	3,57,990
Amount transferred to District Boards, &c., for Imperial Civil Works ... ..	32,352
Amount transferred to Chittagong Hill Tracts ... ..	6,071
District Board, Malda, for the maintenance and repairs of embankments ... ..	637
District Board, Monghyr, for the pay of gauge reader ... ..	72
District Road Account, Sonthal Parganas, for gauge reader ... ..	120
District Road Fund, Hazáribágh, on account of Government share of the cost of revaluation ... ..	2,125
District Road Fund, Singhbhum, on account of Government share of the cost of revaluation ... ..	754
District Road Fund, Lohardaga, on account of Government share of the cost of revaluation ... ..	4,586
Total ... ..	<u>4,04,707</u>

These make a total of Rs. 11,55,662, and as some provision is necessary to meet payment of arrear grants, for which applications are constantly received, a lump provision of Rs. 11,80,000 will now be made.

86. *Closing balance.*—According to the estimates passed by the Government of India, it was expected that the year would close with a balance of Rs. 20,00,000. According to the estimates now adopted, the closing balance will be Rs. 21,54,000.

ORDER.—Ordered that a copy of this Resolution be submitted to the Government of India, Department of Finance and Commerce, for information.

Ordered also that a copy of the above Resolution be forwarded to the Board of Revenue; to all Commissioners of Divisions; to the Accountant-General; to the Inspectors-General of Civil Hospitals, Police, Jails, and Registration; to the Directors of Public Instruction and Land Records and Agriculture; to the Conservator of Forests; to the Port Officer, Calcutta; to the Superintendents of Royal Botanic Garden, Calcutta, and Government Printing, Bengal, and to all Departments of this Government, for information.

By order of the Lieutenant-Governor of Bengal,

H. H. RISLEY,  
*Secretary to the Govt. of Bengal.*

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 INVESTIGATIONS INTO SHIPPING CASUALTIES.
 

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## No. 1 Marine.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

*Dated Calcutta, the 3rd January 1893.*

## RESOLUTION.

READ—

Letter No. 732, dated 8th September 1892, from the Superintendent and Remembrancer of Legal Affairs, with its enclosure from the Deputy Legal Remembrancer, dated 6th September 1892.

Letter No. 891, dated the 8th October 1892, from the Solicitor to the Government of India, forwarding an opinion by the Officiating Advocate-General, dated the 27th September 1892.

1. The necessity of defining more particularly the procedure to be followed in the case of investigations into shipping casualties conducted under the provisions of Act V of 1883, as amended by Act VI of 1891, having lately been represented to the Lieutenant-Governor, the following instructions are issued for the guidance of those concerned.

2. The duties imposed by section 6 of Act V of 1883 upon a Magistrate or other officer appointed in that behalf by the Local Government shall, as regards the port of Calcutta, be performed by the Port Officer, to whom the reports required by sub-section 2 shall be made. When such a report is received, or when it comes to the Port Officer's knowledge that a casualty, as described in section 6 (1c) has occurred, it shall be the duty of the Port Officer to hold an informal enquiry, exercising the powers conferred on him by section 9 of Act VI of 1891, and to submit a report to Government in the Marine Department.

3. The greatest possible expedition should be used in making the enquiry and submitting the report. In conducting the enquiry, the following remarks by the Advocate-General should be borne in mind:—

“Under Act V of 1883, section 6, it becomes the duty of the officer appointed in that behalf, upon receiving credible information of the happening of any of the occurrences mentioned in that section, to hold the abovementioned preliminary investigation. Clause 4 of this section (Act VI of 1891, section 9,) furnishes him with ample powers of doing so without being in any way trammelled by the laws of evidence or the rules of procedure. Such an investigation ought, in my opinion, to be held in every case falling within the purview of section 6, and should be of such a searching character as to render the report to be thereon drawn up and submitted to the Local Government such a full and sufficient statement of the whole case as to enable that Government to determine whether it is requisite or expedient to direct the abovementioned formal investigation, and the Deputy Legal Remembrancer to conduct it if directed.”

4. The following instructions given by the Board of Trade, which are in force in England, appear to be equally applicable, *mutatis mutandis*, to enquiries made in this country, and form directions which may usefully be taken note of by the Port Officer in the case of the enquiries which he is now directed to make:—

“He will observe that he may, if necessary, examine upon oath, but he will probably seldom find it necessary or desirable to do so.

“In all cases when there is any point which it is important to establish, or any question of fact in dispute or doubt, he will take the evidence in writing.

“In every case, when the enquiry is concluded, the officer will send a report to the Board of Trade containing the result of the enquiry, and such of the evidence as may be important.

“In all cases of casualties arising from avoidable causes, the report and the statement of the evidence bearing on the point should be full and complete.”

5. The report will assume one of two forms—

(1) It will be to the effect that no blame attaches to any one and no further enquiry is needed; or

(2) It will state that a further formal enquiry is necessary, that blame *prima facie* attaches to some one, either Pilot, Master, Mate, or Engineer of the ship, or Harbour Master of the Port; or that the circumstances attending the casualty point to some defect in the vessel.

In case (2) the Port Officer will order the detention of such witnesses as, in his opinion, are necessary for the proper elucidation of the facts.

6. If the Port Officer holds that *prima facie* blame attaches to a Pilot, he shall appoint a Departmental Court of Enquiry composed of two Pilots and a Master of a mercantile ship.

7. If (I) the person implicated by the Port Officer's report, *vide* paragraph 5, clause 2 above, is a Master, Mate, or Engineer of a ship, or (II), in case of a Pilot, if Government, on the receipt of the report of the Departmental Committee under paragraph 6, consider an enquiry under Act V of 1883 to be desirable, or (III) if the casualty is stated to be due to some defect in the ship, the Local Government will appoint the Chief Presidency Magistrate and two Assessors to be a Special Court to hold a formal investigation under section 7 of Act V of 1883, and will direct the Court—

- (1) if they find that a charge of incompetency or misconduct lies against a Pilot, to report at once to Government;
- (2) if they find that such a charge lies against Master, Mate, or Engineer, to proceed as directed in sections 9, 11, 12, &c., of Act V of 1883.

8. If the report of the Special Court implicates a Pilot, the Lieutenant-Governor will decide whether to proceed against him departmentally, or whether he shall be tried under Act XII of 1859. In the latter case the Chief Presidency Magistrate will be the Judge of the Court, and the Assessors of the previous Court will sit with him, together with two merchants of Calcutta, to be selected from a list prepared and kept in the manner prescribed by the Act.

9. If the report of the Port Officer, paragraph 5, implicates a Harbour Master, the Port Commissioners will be requested to cause a Departmental enquiry to be made, and to report to Government the result of the enquiry and the action taken by them.

10. In all formal investigations carried out under Act V of 1883, or under Act XII of 1859, the Deputy Legal Remembrancer, or other suitable officer to be appointed by Government for the occasion, will appear before the Court on behalf of Government.

ORDER.—Ordered that a copy of this Resolution be forwarded to the Port Officer, Chief Presidency Magistrate, and the Legal Remembrancer, for information and guidance, and to the Judicial Department of this Government for information.

Ordered also that a copy of this Resolution be published in the *Calcutta Gazette* for general information.

By order of the Lieutenant-Governor of Bengal,

C. W. ODLING,

*Joint-Secretary to the Govt. of Bengal.*

#### LIBERALITY OF LALA BANGSHA GOPAL NANDEY.

No. 4Mod., dated Calcutta, the 3rd January 1893.

From—H. H. RISLEY, Esq., C.I.E., Secy. to the Govt. of Bengal, Municipal Dept.,  
To—LALA BANGSHA GOPAL NANDEY, Burdwan.

I AM directed to say that the Lieutenant-Governor has heard with pleasure of the donation of Rs. 5,000 made by you to the Committee of the Lady Dufferin's Fund for improvements to be carried out in the *pardanashin* wing of the Zenana Hospital in Calcutta, and to convey to you an expression of His Honour's thanks for your liberality and public spirit. This letter will be published in the *Calcutta Gazette*.

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 31st December, 1892.

No.	District and date of return.	Rainfall at Sadar Station in inches.	Character of the weather and state and prospects of the crops.
<b>BENGAL.</b>			
BURDWAN DIV.	1 Burdwan Dec. 31, '92	Nil	Weather—fine and fairly cool. <i>Amas</i> harvesting nearly finished. Prospect of <i>rabi</i> fair. Prices of common rice:— <div style="text-align: right;"> Srs.  Burdwan ... 10 to 12  Kalna ... 11 to 14  Katwa ... 13½  Raniganj ... 13 </div> } per rupee.
	Kalna ...	Nil	
	Katwa ...	Nil	
	Raniganj ...	Nil	
	2 Bankura „ 31, '92	Nil	Weather—seasonable. Harvesting of <i>amas</i> still continues in places in the Vishnupur subdivision. Other crops doing well. Fodder and water sufficient. Prices of common rice:— <div style="text-align: right;"> Srs.  Sadar ... 11½  Vishnupur ... 11½ </div> } per rupee.
	Vishnupur ...	Nil	
	3 Birbhum „ 31, '92	Nil	Weather—seasonable. There is nothing more to report about the crops as the rice harvest has been gathered. Prices of rice remain at 12 to 14 seers per rupee. The usual decrease in price at this season has not taken place because of the exceptional demand for rice for exportation from the district. Fodder and water plentiful.
	Rampur Hat ...	Nil	
	4 Midnapore „ 31, '92	Nil	Weather—fine and cold. <i>Amas</i> harvest almost over. <i>Rabi</i> and sugarcane doing well. Prices of common rice:— <div style="text-align: right;"> Srs.  Sadar ... 11  Contai ... 10 to 14  Tamluk ... 13 to 14  Garhbeta ... 12½ to 13 </div> } per rupee.
	5 Hooghly „ 31, '92	Nil	Ordinary cold weather, but slightly warmer at end of the week. No change in condition of crops. <i>Rabi</i> and sugarcane doing well. Prices becoming a little easier as harvest progresses. Prices of common rice:— <div style="text-align: right;"> Srs. c.  Sadar ... 9 to 10 0  Scrampore ... 10 8  Jahanabad ... 11 13 </div> } per rupee.
	Scrampore ...	Nil	
	Jahanabad ...	Nil	
	6 Howrah „ 31, '92	Nil	Weather—seasonable. About half the winter rice harvested. Sugarcane and spring crops doing well. Condition of cattle good. Fodder and water-supply sufficient, except in Howrah Municipality. Prices of rice 10 to 11½ seers per rupee.
	Ulubaria ...	Nil	
	7 24 Parganas „ 31, '92	Nil	Weather—seasonable. Harvesting of <i>amas</i> practically completed; outturn fair. <i>Rabi</i> crops progressing well. No complaints of lack of fodder or water. No cattle-disease prevalent. Prices of common rice:— <div style="text-align: right;"> Srs. c. Srs.  Sadar ... 10 8 to 11  Barasat ... 11 14  Basirhat ... 11 11  Diamond Harbour ... 13 0  Barrackpore ... 11 0  Dum-Dum ... 11 0 </div> } per rupee.
PRESIDENCY DIV.	8 Nadia „ 31, '92	Nil	Weather—cold and seasonable. Harvesting of <i>amas</i> nearly finished. Prospects of winter crops promising. Price of rice stationary. No cattle-disease.
	Kushtia ...	Nil	
	Melherpur ...	Nil	
	Chudanga ...	Nil	
	Ranaghat ...	Nil	
	9 Khulna „ 31, '92	Nil	Weather—seasonable. Harvesting of <i>amas</i> continues; outturn good except in Paigachha. Prospects of <i>rabi</i> fair. Price of common rice 12 to 14 seers per rupee. Supply of water and fodder sufficient.
	Bagerhat ...	Nil	
	Satkhira ...	Nil	
	10 Jessore „ 31, '92	Nil	Weather—seasonable. Harvesting of <i>amas</i> still going on. Prospects of winter crops fair. No cattle-disease. Fodder and drinking water sufficient. Ordinary coarse rice selling at 12 to 14 seers per rupee.
	Jhoida ...	Nil	
	Magura ...	Nil	
	Narail ...	Nil	
	Baugan ...	Nil	
	11 Murshidabad „ 31, '92	Nil	Weather—clear, cold and pleasant. The harvesting of <i>amas</i> is still going on. Sowing of <i>rabi</i> has almost been completed. No cattle-disease and fodder sufficient. Coarse rice selling at 13 seers per rupee.

No.	District and date of return.	Rainfall at Sadar Station in inches.	Character of the weather and State and prospects of the crops.
BENGAL—concl'd.			
CHITTAGONG DIV.	13 Chittagong ...	...	Report not received.
	13 Noakhali .. 31, '92	Nil	Weather—seasonable. Reaping of <i>aman</i> and sowing of <i>rabi</i> crops still continue. Fodder and water sufficient. Cattle-disease in Sundip and Sidhi. Common rice 13 to 14 seers per rupee.
	14 Tippera .. 31, '92	Nil	Weather—seasonable. Reaping of <i>aman</i> crop has nearly been finished. Mustard and chillies thriving. Price of rice stationary.
	15 Chittagong Hill Tracts. .. 30, '92	Nil	Weather—seasonable. Harvesting of <i>aman</i> still going on. Mustard in flower. Vegetables and sugarcane good. No cattle-disease. Common rice being sold at 10 seers per rupee.
DACCA DIV.	16 Dacca .. 31, '92	Nil	Weather—seasonably cold and fine. <i>Aman</i> nearly reaped. Mustard, pulses and tobacco thriving. Fodder available. No cattle-disease. Common rice selling at from 12 to 15 seers per rupee.
	17 Faridpur .. 31, '92	Nil	Weather—seasonable. Harvesting of <i>aman</i> not completed. Condition of <i>rabi</i> crops generally fair. Common rice sells at 13 seers per rupee at Sadar and Goulundo, and at 14 seers per rupee at Madaripur. Condition of cattle good and fodder available.
	Goalundo ...	Nil	
	Madaripur ...	Nil	
	18 Backergunge .. 31, '92	Nil	Weather—fine and seasonable. Harvesting of paddy in progress. Prospects good. Common rice is being sold at from 10 to 15 seers per rupee. Fodder and water sufficient.
RAJSHAHI DIV.	19 Mymensingh .. 31, '92	Nil	Weather—seasonable. Prospects of crops good. Rice selling at from 11½ to 14 seers per rupee. Fodder and water sufficient. There is no cattle-disease.
	20 Dinajpur .. 31, '92	Nil	Weather—cool. Standing crops doing well. Harvesting of winter rice going on. Outturn of sugarcane expected to be 16 annas. Prices of rice:— Srs. Sadar ... 15 } Thakurgaon ... 13 to 16 } per rupee. Condition of cattle good. Supply of fodder and drinking water sufficient.
	Thakurgaon ...	Nil	
	21 Rajshahi .. 31, '92	Nil	Weather—cold and seasonable. Harvesting of <i>aman</i> going on vigorously. Prospects of mustard and other standing crops good. A few cases of small-pox among cattle reported from thana Singra. Fodder and water sufficient. Price of rice almost stationary.
	Nator ...	Nil	
	Naugaon ...	Nil	
	22 Rangpur .. 31, '92	Nil	Weather—seasonable. Harvesting of <i>aman</i> still going on. Mustard ripe in some places. Other <i>rabi</i> crops promising. Price of common rice 10 to 13 seers per rupee.
	Kurigan ...	Nil	
	Gaibanda ...	Nil	
	Nilphamari ...	Nil	
	23 Ulipur ...	Nil	Weather—seasonable. Harvesting of <i>aman</i> in full swing. Prospects of <i>rabi</i> good. Price of rice almost stationary. Condition of cattle good. Fodder and water sufficient.
	Bogra .. 31, '92	Nil	
	24 Pabna .. 31, '92	Nil	Weather—cool. <i>Aman</i> harvested. In the Sirajganj subdivision the outturn is estimated at 16 annas. Price of common rice at Sirajganj Rs. 3 to Rs. 4-2 per maund and at Pabna 13 seers per rupee. Condition of cattle good. Water-supply and fodder sufficient.
	25 Derrieling .. 31, '92	Nil	Weather—mornings clear, afternoons cloudy, nights chilly. <i>In the hills</i> :—Wheat, barley, <i>phaphur</i> and <i>tori</i> progressing favourably. <i>In the terai</i> :—Paddy and potatoes continue to be harvested. Other standing crops doing well. Prices of coarse rice:— Srs. Hills ... 10 } Terai ... 12 } per rupee.
	Siliguri ...	0-03	
	26 Jalpaiguri .. 31, '92	Nil	Weather—seasonable. Reaping of <i>kaimanti</i> paddy still going on. Common rice sells at 13 seers per rupee. Potatoes and tobacco doing well. No cattle-disease. Fodder and water-supply sufficient.



No.	District and date of return.	Rainfall at Sadar Station in inches.	Character of the weather and state and prospects of the crops.																
<b>BIHAR.</b>																			
27	Monohyr Begusarai Janui	Dec. 31, '92 Nil Nil Nil	Weather—cold and dry. Harvesting of winter rice and <i>kurthi</i> nearly completed. Prospects of <i>rabi</i> , oil-seeds, poppy and chillies good. No cattle-disease. Prices of common rice:— <div style="text-align: right;">Srs.</div> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>Sadar</td><td>...</td><td>...</td><td>13 to 16</td></tr> <tr> <td>Begusarai</td><td>...</td><td>...</td><td>16</td></tr> <tr> <td>Janui</td><td>...</td><td>...</td><td>14</td></tr> </table>	Sadar	...	...	13 to 16	Begusarai	...	...	16	Janui	...	...	14				
Sadar	...	...	13 to 16																
Begusarai	...	...	16																
Janui	...	...	14																
28	Bagalpur Banks Madhipura Supaul	.. 31, '92 Nil Nil Nil Nil	Weather—seasonable. Rice harvest in progress. Prospects of <i>rabi</i> crops good but a shower of rain will be wanted soon to secure a full outturn.																
29	Patna Kishanganj Araria	.. 31, '92 Nil Nil Nil	Weather—very cool. Fogs in mornings. <i>Ajboni</i> still being cut. <i>Rabi</i> prospects continue good. Fodder and water sufficient. No cattle-disease. Prices of common rice:— <div style="text-align: right;">Srs.</div> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>Sadar</td><td>...</td><td>...</td><td>13 to 14</td></tr> <tr> <td>Araria</td><td>...</td><td>...</td><td>18</td></tr> <tr> <td>Kishanganj</td><td>...</td><td>...</td><td>14</td></tr> </table>	Sadar	...	...	13 to 14	Araria	...	...	18	Kishanganj	...	...	14				
Sadar	...	...	13 to 14																
Araria	...	...	18																
Kishanganj	...	...	14																
30	Malda	.. 31, '92	Nil																
31	Southal Parganas Deoghur Gadda Jamtara Pakur Rajmahal	.. 31, '92 Nil Nil Nil Nil Nil Nil	Weather—cool and dry, but growing warmer. Rice harvest well advanced on an average to be 12 to 16 auras. Mustard, <i>sarguja</i> and <i>kurthi</i> being gathered. Cotton about 14 auras. Fodder and water supply sufficient.																
32	Patna	.. 31, '92	Nil																
33	Gaya Aurangabad Jehanabad Nawada	.. 31, '92 Nil Nil Nil Nil	Weather—cold and very cold. Harvesting of paddy crop approaching completion and threshing is in progress. <i>Rabi</i> crops are in flower. Prospects of poppy good. Pressing of sugarcane is still going on. Common rice sells at 14 seers per rupee at Gaya. Supply of fodder and water for cattle sufficient. Prices of common rice:— <div style="text-align: right;">Srs.</div> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>Sadar</td><td>...</td><td>...</td><td>17</td></tr> <tr> <td>Barh</td><td>...</td><td>...</td><td>13</td></tr> <tr> <td>Patna</td><td>...</td><td>...</td><td>17</td></tr> <tr> <td>Barh</td><td>...</td><td>...</td><td>13 to 14</td></tr> </table>	Sadar	...	...	17	Barh	...	...	13	Patna	...	...	17	Barh	...	...	13 to 14
Sadar	...	...	17																
Barh	...	...	13																
Patna	...	...	17																
Barh	...	...	13 to 14																
34	Shahabad	.. 31, '92	Nil																
35	Darbhanga	.. 31, '92	Nil																
36	Muzaffargarh Hajipur Sitamarhi	.. 31, '92 Nil Nil Nil	Weather—seasonable and cold. Harvesting and threshing of winter rice still going on. <i>Rabi</i> and poppy crops doing well. A little rain wanted. Common rice selling at 14 seers per rupee at Muzaffargarh. Fodder and water for cattle sufficient.																
37	Siwan Siwan Gopalganj	.. 31, '92 Nil Nil Nil	Weather—seasonable. <i>Rabi</i> crops doing well, but rain would do good. Sugarcane pressing goes on. Condition of poppy good. Fodder and water sufficient. Prices of common rice:— <div style="text-align: right;">Srs.</div> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>Chapra</td><td>...</td><td>...</td><td>15 8</td></tr> <tr> <td>Siwan</td><td>...</td><td>...</td><td>13 2</td></tr> <tr> <td>Gopalganj</td><td>...</td><td>...</td><td>15 1</td></tr> </table>	Chapra	...	...	15 8	Siwan	...	...	13 2	Gopalganj	...	...	15 1				
Chapra	...	...	15 8																
Siwan	...	...	13 2																
Gopalganj	...	...	15 1																
38	Champaran	.. 31, '92	Nil																
<b>ORISSA.</b>																			
39	Cuttack	.. 31, '92	Nil																
40	Puri Khurda Baupur	.. 29, '92 Nil Nil Nil	Weather—seasonable. Harvesting of <i>arad</i> rice in progress. Prospects of winter crops good. Prices of rice:— <div style="text-align: right;">Srs. c. Srs.</div> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>Sadar</td><td>...</td><td>...</td><td>10 8 to 20</td></tr> <tr> <td>Jajpur</td><td>...</td><td>...</td><td>14 7 to 21</td></tr> <tr> <td>Kandrapara</td><td>...</td><td>...</td><td>14 7 to 21</td></tr> <tr> <td>Banki</td><td>...</td><td>...</td><td>17</td></tr> </table>	Sadar	...	...	10 8 to 20	Jajpur	...	...	14 7 to 21	Kandrapara	...	...	14 7 to 21	Banki	...	...	17
Sadar	...	...	10 8 to 20																
Jajpur	...	...	14 7 to 21																
Kandrapara	...	...	14 7 to 21																
Banki	...	...	17																
41	Balasore	.. 31, '92	Nil																

No.	District and date of return.		Rainfall at Sadar Station in inches.	Character of the weather and state and prospects of the crops.
OTA NAGPUR.				
South-West Frontier Agency.				
42	Hazaribagh Ghridi	Dec. 31, '92 ...	Nil Nil	Weather—clear and cold. Paddy harvesting not yet completed. Prospects of <i>rabi</i> generally good, but rain required. Common rice 12 to 16 seers per rupee. Poppy promising.
43	Lohardaga	„ 31, '92	Nil	Weather—seasonable. Harvesting of winter rice nearly finished. Prospect of <i>rabi</i> continues good. Common rice selling at 14 seers per rupee. Fodder and water plentiful.
44	Palamau	„ 30, '92	Nil	Weather—seasonable. Harvesting of paddy completely over; threshing nearly finished. <i>Rabi</i> suffering for want of rain: even a small shower will do immense good. Damage done to <i>rakar</i> by frost is estimated at about two annas. Common rice selling at 16 seers per rupee. Water-supply and fodder plentiful. Cattle-disease reported from Daltonganj, Lohardaga, and Manator.
45	Singbhum	„ 31, '92	Nil	Weather—clear, seasonable. <i>Rabi</i> crops doing well. Harvesting of rice crop continues. Common rice selling at the Chaibassa market at 16 seers per rupee.
46	Manbhum Gobindpur	„ 31, '92 ...	Nil Nil	Weather—warmer than last week. Harvesting of rice nearly over; outturn 8 to 12 annas. Prospects of <i>rabi</i> crops excellent. Rice selling at from 12 to 16 seers per rupee. Fodder and water-supply sufficient.

Published for general information.

CALCUTTA; REVENUE DEPT.,  
The 3rd January, 1893.

C. E. BUCKLAND,  
Secy. to the Govt. of Bengal.

## Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.											
			AIR PRESSURE.			WIND.		TEMPERATURE.						
			Mean barometric height: 8 A. M. reduced to 32°.	Mean reduced to sea-level and constant gravity: 15. 15. 45°.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest.	Date.	Lowest.	Date.	Mean maximum temperature.	Mean minimum temperature.	Mean daily temperature.
ORISSA.	Puri	Puri	30.143	30.092	—	N	137	70.6	31st Dec.	58.1	26th Dec.	78.3	60.0	69.1
		Gopalpore	30.147	30.109	+0.023	NNW	226	84.2	30th	53.0	30th	78.0	58.4	67.7
		False Point	30.148	30.112	+0.054	NNW	197	80.4	31st	62.0	28th	77.4	54.1	65.7
	Cuttack	Cuttack	30.091	30.118	+0.075	Calm	22	83.3	31st	54.9	26. 28 & 29	80.0	50.1	65.4
	Balasore	Balasore	30.107	30.111	+0.068	NWly	43	82.4	31st	40.4	26 & 27	78.0	51.9	65.4
SOUTH-WEST BENGAL.	Midnapore	Midnapore	30.015	30.110	+0.058	N	120	83.3	31st	50.2	26 & 27	80.2	52.0	66.4
	24-Parganas	Calcutta	30.138	30.100	+0.055	Calm	31	78.7	31st	40.3	26 & 27	75.0	51.0	63.4
		Saugor Island	30.123	30.104	+0.050	Sly	178	75.7	31st	51.7	28. 29	74.1	55.7	64.9
	Howrah	Howrah	30.100	30.108	+0.065	WNW	40	80.3	31st	45.0	27th	77.1	48.1	62.6
	Nadia	Krishnagar	30.117	30.099	+0.032	Calm	50	77.7	31st	40.4	27 & 28	75.0	51.2	63.4
NORTH BENGAL.	Burdwan	Burdwan	30.064	30.119	+0.058	Calm	13	80.0	30th	48.1	27th	77.6	51.0	64.8
		Raniganj	30.023	30.142	+0.053	NNWly	10	80.5	31st	48.2	27th	77.9	51.0	64.8
	Hankura	Hankura	30.021	30.093	+0.071	Calm	26	81.1	30th	49.1	27th	77.0	52.0	65.0
	Birbhum	Birbhum	30.042	30.111	+0.051	NWly	28	79.0	31st	51.2	27th	76.4	52.7	64.8
	Murshidabad	Berhampore	30.091	30.089	+0.046	Variable	12	76.6	30th	40.8	26th	75.4	48.5	62.3
EAST BENGAL.	Bogra	Bogra	30.008	30.056	+0.075	Calm	22	77.3	25 & 26	40.2	26th	76.7	48.0	62.8
	Rajshahi	Rampur Baisa	30.072	30.025	+0.061	Calm	67	78.0	26 & 27	40.7	26 & 27	76.0	48.4	62.2
	Malda	Malda	30.080	30.117	—	NW	80	77.9	31st	40.0	26th	75.7	47.6	61.7
	Dinajpur	Dinajpur	30.019	30.040	+0.067	Wly	32	76.1	25. 28. 29. & 31.	43.0	26th	74.8	47.5	61.2
	Rangpur	Rangpur	30.027	30.113	+0.053	Calm	25	75.6	25 & 26	45.0	26th	74.8	47.5	61.2
SOUTH BENGAL.	Jalpaiguri	Jalpaiguri	30.040	30.102	+0.051	Calm	26	73.9	26th	42.1	26th	73.1	50.6	61.8
	Kuch Bihar	Kuch Bihar	30.018	—	+0.030	ENE & Calm	65	45.0	25 & 26	33.6	27th	43.0	34.0	39.0
	Darjeeling	Darjeeling	30.018	—	+0.030	ENE & Calm	65	45.0	25 & 26	33.6	27th	43.0	34.0	39.0
	Sikkim	Ghatong	30.018	—	+0.030	ENE & Calm	65	45.0	25 & 26	33.6	27th	43.0	34.0	39.0
	Chittagong	Chittagong	30.018	—	+0.030	ENE & Calm	65	45.0	25 & 26	33.6	27th	43.0	34.0	39.0
NORTH BENGAL.	Chittagong Hill Tracts	Demagiri	30.018	—	+0.030	ENE & Calm	65	45.0	25 & 26	33.6	27th	43.0	34.0	39.0
	Hackorgunge	Barisal	30.128	30.087	+0.067	Calm	87	77.3	30 & 31 Dec.	50.1	27 & 28	75.1	51.3	63.2
	Noakhali	Noakhali	30.084	30.056	+0.063	N	68	77.1	30th	50.8	28 & 29	76.4	51.3	63.8
	Faridpur	Faridpur	30.111	30.107	+0.073	Calm	32	74.0	28 & 31	49.0	27th	73.6	50.9	62.3
	Dacca	Dacca	30.120	30.091	+0.051	Calm	54	78.1	29 & 30	51.8	27th	75.2	53.6	65.4
SOUTH BENGAL.	Fippera	Comilla	30.108	30.087	+0.054	Calm	20	78.2	28 & 31	51.1	30th	77.4	51.7	64.6
	Mymensingh	Mymensingh	30.075	30.093	+0.048	Nly	36	75.9	31st	45.4	31st	74.2	50.3	62.3
	Furness	Furness	30.024	30.115	+0.040	Calm	20	75.2	26. 27 & 28.	43.0	27th	74.5	45.2	59.8
	Blagaispur	Blagaispur	30.027	30.110	+0.043	Calm	—	70.3	31st	44.0	27th	76.4	48.1	62.3
	Darbhanga	Darbhanga	30.058	30.119	+0.050	Variable	43	76.8	31st	47.4	26 & 27	74.6	48.9	61.7
NORTH BENGAL.	Muzaffarpur	Muzaffarpur	30.050	30.125	—	WSW & Calm.	45	74.7	25. 30 & 31	44.0	25. 26 & 27.	71.0	46.0	59.0
	Champaran	Mothari	30.063	30.102	+0.040	WSW	74	70.2	31st	41.0	27th	74.0	42.8	58.9
	Suran	Chapra	30.064	30.112	+0.075	SWly & Calm	46	78.8	30th	44.7	27th	75.3	49.7	62.0
		Dehri	30.061	30.130	+0.057	SW	7	80.9	31st	47.4	26th	76.8	51.6	64.2
	Shahabad	Buxar	30.017	30.125	+0.052	Wly	37	79.4	30 & 31	44.4	30th	75.6	40.0	62.7
SOUTH BENGAL.		Arrah	30.063	30.110	+0.074	NWly	28	70.1	31st	43.7	26th	76.0	46.1	63.1
	Gaya	Gaya	30.040	30.122	+0.051	S	115	76.9	30th	46.7	26th	76.0	50.2	63.4
	Patna	Bankipore	30.077	30.123	+0.033	Variable	61	77.8	30th	45.4	26th	74.2	40.1	61.7
	Monghyr													
	Sonthal Parganas	Naya Dumka	30.041	30.126	+0.051	C & W	38	78.6	30th	44.5	26th	75.8	48.4	63.1
SOUTH BENGAL.	Hazaribagh	Hazaribagh	30.074	30.115	+0.044	SWly	116	76.2	31st	46.2	26th	73.0	50.1	61.0
	Lohardaga	Ranchi	30.026	30.116	+0.066	Calm	83	75.6	30th	46.4	26th	73.3	50.1	61.8
	Palamu	Chaibassa	30.038	30.106	+0.050	WSW	14	82.7	31st	47.7	27th	78.8	51.0	64.9
	Singbhum													
	Manbhum													

\* Month of 6 days.

**Explanation.—Summary.**—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period. The humidity of the atmosphere is expressed in percentages, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 100. The normal mean is the numerical means or average of the rainfall in that district determined from the returns sent in by the subdivisional stations, i.e. from total rainfall at the subdivisional stations in the district sending in returns divided by the number of stations. A rainy day is one in

for the week ending Saturday, the 31st of December 1892.

DISTRICT OBSERVATIONS.																District.
Variation from normal mean.	Mean 5 A.M. temperature.	Average humidity at 5 A.M.	Average cloud amount at 5 A.M.	Rainfall of week at observing station.	OF WEEK.			RAINFALL.								
					Mean for district.	Normal mean.	Average number of rainy days.	Normal number of rainy days.	Since 1st of month.			Since 10th October 1892.				
									Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.		
-	63.6	79	0	Nil	Nil	0.01	0.00	0.03	Nil	0.68	-0.65	7.20	0.10	+1.10	Puri.	
-1.0	61.1	77	0	Nil												
-0.6	60.5	87	0	Nil												
-1.2	60.8	73	0	Nil	Nil	0.02	0.00	0.02	Nil	0.46	-0.40	6.01	3.85	+2.16	Cuttack.	
+0.6	58.2	83	0	Nil	Nil	0.08	0.00	0.11	Nil	0.25	-0.29	6.37	2.66	+3.71	Balasore.	
+0.2	60.0	70	0.3	Nil	Nil	0.12	0.00	0.08	Nil	0.30	-0.30	7.03	2.61	+5.33	Midnapore.	
-0.0	56.5	80	0	Nil	Nil	0.11	0.00	0.12	Nil	0.20	-0.22	7.12	2.42	+4.70	24-Pargannas.	
-0.8	61.2	91	0.1	Nil												
					Nil	0.15	0.00	0.00	Nil	0.33	-0.33	3.50	1.79	+1.77		
					Nil	0.00	0.00	0.10	Nil	0.20	-0.20	7.14	1.57	+5.57	Howrah.	
-1.4	50.6	82	0	Nil	Nil	0.11	0.00	0.12	Nil	0.17	-0.17	4.24	1.58	+2.66	Hooghly.	
															Nadia.	
-1.0	50.7	49	0	Nil	Nil	0.15	0.00	0.21	Nil	0.25	-0.25	6.02	2.34	+4.38	Khulna.	
						0.08	0.00	0.15	Nil	0.19	-0.19	6.19	1.93	+7.24	Jessore.	
+0.2	56.1	75	0	Nil	Nil	0.07	0.00	0.08	Nil	0.16	-0.16	4.40	1.45	+3.04	Burdwan.	
+0.8	50.7	74	0	Nil	Nil	0.01	0.00	0.05	Nil	0.15	-0.15	4.40	1.58	+2.82	Bankura.	
+0.5	55.0	89	0	Nil	Nil	0.07	0.00	0.13	Nil	0.13	-0.13	3.22	0.50	+2.26	Birbhum.	
						0.07	0.00	0.13	Nil	0.15	-0.16	1.53	0.50	+0.94	Murshidabad.	
-0.5	55.3	81	0	Nil	Nil	0.06	0.00	0.10	Nil	0.12	-0.12	1.11	1.48	-0.37	Fabna.	
-0.8	54.7	84	0	Nil	Nil	0.07	0.00	0.11	Nil	0.15	-0.15	6.94	1.07	-0.15	Bogra.	
						0.09	0.00	0.07	Nil	0.12	-0.12	0.32	1.10	-0.78	Rajshahi.	
-	50.5	86	0	Nil	Nil	0.07	0.00	0.07	Nil	0.13	-0.13	0.79	1.25	-0.46	Malda.	
-0.2	53.3	89	0	Nil	Nil	0.01	0.00	0.05	Nil	0.08	-0.08	0.43	0.74	-0.31	Dinajpur.	
-0.1	53.0	91	0	Nil	Nil	0.03	0.00	0.07	Nil	0.15	-0.15	1.10	1.14	-0.04	Rongpur.	
-0.3	53.0	93	0	Nil	Nil	0.03	0.00	0.10	0.36	0.14	+0.22	1.13	2.25	-1.12	Jalpaiguri.	
						0.01	0.00	0.02	Nil	0.15	-0.15	0.88	1.00	-0.12	Kuch Bihar.	
-2.4	37.7	90	2.1	Nil	Nil	0.05	0.00	0.11	0.72	0.32	+0.40	3.41	2.24	+1.17	Darjeeling.	
-	29.0	61	0	Nil												
-1.1	58.9	94	0.1	Nil	Nil	0.05	0.00	0.14	Nil	0.37	-0.37	12.78	4.87	+7.91	Sikkim.	
															Chittagong.	
						0.16	0.00	0.35	Nil	0.40	-0.40	6.61	4.27	+2.34	Chittagong Tracts.	
-1.3	58.1	87	0	Nil	Nil	0.19	0.00	0.27	Nil	0.36	-0.36	7.85	3.35	+4.50	Backergunge.	
-0.8	58.7	80	0	Nil	Nil	0.24	0.00	0.28	Nil	0.72	-0.72	15.42	4.79	+10.63	Nonkhali.	
-0.6	54.0	80	0	Nil	Nil	0.00	0.00	0.16	Nil	0.14	-0.14	7.31	1.58	+5.73	Faridpur.	
-0.4	57.7	81	0	Nil	Nil	0.03	0.00	0.17	Nil	0.10	-0.10	8.76	2.34	+6.42	Dacca.	
+0.5	54.0	89	0	Nil	Nil	0.15	0.00	0.24	Nil	0.34	-0.34	8.37	3.30	+6.07	Tippura.	
-0.6	55.3	95	0	Nil	Nil	0.08	0.00	0.11	Nil	0.23	-0.23	2.80	1.51	+1.05	Mymensingh.	
-1.3	47.4	90	0	Nil	Nil	0.04	0.00	0.10	Nil	0.14	-0.14	0.02	1.26	-1.24	Purnea.	
+1.4	51.5	78	0	Nil	Nil	0.05	0.00	0.18	Nil	0.14	-0.13	0.53	1.05	-0.52	Bhagalpur.	
-0.3	53.4	87	0.4	Nil	Nil	0.10	0.00	0.16	Nil	0.19	-0.19	0.01	0.88	-0.87	Darbhanga.	
-	51.2	93	0.9	Nil	Nil	0.10	0.00	0.22	Nil	0.23	-0.22	0.04	1.02	-0.98	Muzaffarpur.	
-0.2	51.2	80	1.7	Nil	Nil	0.04	0.00	0.12	Nil	0.25	-0.25	Nil	0.24	-0.34	Chhaparan.	
+1.4	53.1	86	1.1	Nil	Nil	0.03	0.00	0.13	Nil	0.19	-0.19	0.03	0.91	-0.88	Saran.	
+2.4	57.3	70	0	Nil												
+1.2	50.0	64	1.4	Nil	Nil	0.01	0.00	0.11	Nil	0.25	-0.25	0.40	1.40	-1.00	Shahabad.	
+1.8	54.5	81	0.6	Nil												
+0.5	53.0	77	1.7	Nil	Nil	0.02	0.00	0.10	Nil	0.28	-0.28	0.51	1.04	-0.53	Gaya.	
+0.9	57.0	70	0.4	Nil	Nil	0.06	0.00	0.10	Nil	0.19	-0.19	0.21	1.25	-1.04	Patna.	
					Nil	0.04	0.00	0.10	Nil	0.11	-0.11	1.54	1.24	+0.00	Monohyr.	
+0.1	54.1	76	0	Nil	Nil	0.07	0.00	0.08	Nil	0.13	-0.13	1.45	1.14	+0.31	Sonhal Pargannas.	
+1.0	58.7	58	0	Nil	Nil	0.11	0.00	0.18	Nil	0.30	-0.30	3.07	1.25	+2.72	Itanagarh.	
+2.8	57.7	70	0.8	Nil	Nil	0.10	0.00	0.31	Nil	0.36	-0.36	0.16	1.75	+4.41	Lohardara.	
						0.00	0.00	0.15	Nil	0.33	-0.33	0.37	1.44	-0.87	Palamou.	
+0.8	53.0	84	0	Nil	Nil	0.04	0.00	0.08	Nil	0.38	-0.38	6.00	1.79	+4.21	Singbhum.	
					Nil	0.00	0.00	0.10	Nil	0.21	-0.21	3.03	1.23	+1.80	Manbhum.	

for the last ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater. The numbers denoting cloud amount represents the part of the sky covered the whole sky being denoted by 10. Under the head District observations of for the period in question during the past ten years. The means of the district are the numerical average of the rainfall returned received in the which at least a tenth of an inch fell.

**SUPPLEMENT TO THE CALCUTTA GAZETTE, JANUARY 4, 1893.**

**Statement of Rainfall in Bengal for the week ending Saturday (3 a.m.), the 31st of December 1892.**

Geographical Division.	District.	Station.	RAINFALL.							Total number rainy days.	Rainfall of week.	Average rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 18th October 1892.	Average rainfall from 18th October to date.
			Sunday, 25th.	Monday, 26th.	Tuesday, 27th.	Wednesday, 28th.	Thursday, 29th.	Friday, 30th.	Saturday, 31st.							
SOUTH-WEST BENGAL.	Puri	Puri	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.29	16.05	6.88
		Khurda	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.06	4.73	4.85
		Banpur	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	1.04	5.70	5.83
		Falme Point	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.02	8.24	7.08
		Gop	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	8.09	?
		Satpara	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	7.88	?
		Pipli	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	5.08	?
	Outlook	Jagatsingapore	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.33	8.40	3.74
		Banki	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.02	3.04	4.01
		Outlook	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.20	6.49	4.50
		Kondrapara	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.34	6.05	4.07
		Jajpur	...	...	...	...	...	...	...	Nil	Nil	0.12	Nil	0.73	3.49	3.34
		Dharmasala	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3.05	?
		Salipore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	6.18	?
	Balasore	Pal Lahara	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	2.83	?
		Akhyapada	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3.19	?
		Chandbali	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.49	4.71	1.80
		Bhadrak	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.21	8.05	2.84
		Soro	...	...	...	...	...	...	...	Nil	Nil	?	Nil	0.15	0.44	2.85
		Balasore	...	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.32	16.62	3.51
		Jullasore	...	...	...	...	...	...	...	Nil	Nil	0.22	Nil	0.33	4.53	1.41
	Midnapore	Karipodab	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.20	7.89	1.63
		Contai	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.28	10.34	4.83
		Tamluk	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.24	6.33	3.44
		Midnapore	...	...	...	...	...	...	...	Nil	Nil	0.23	Nil	0.34	7.92	2.16
		Ghatal	...	...	...	...	...	...	...	Nil	Nil	0.13	Nil	0.30	8.24	0.83
		Kukrahaty	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3.51	?
		Garkheta	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3.51	?
	24-Parganas	Baugor Island	...	...	...	...	...	...	...	Nil	Nil	0.13	Nil	0.24	14.66	4.88
		Diamond Harbour	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.27	6.03	2.59
		Canning Town	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	9.24	?
		Alipore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Valory	...	...	...	...	...	...	...	Nil	Nil	0.22	Nil	0.32	4.65	3.34
		Barrackpore	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.22	7.79	1.03
		Dum-Dum	...	...	...	...	...	...	...	Nil	Nil	0.13	Nil	0.20	3.78	1.90
	Howrah	Barnaat	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.23	5.78	1.84
		Hazirhat	...	...	...	...	...	...	...	Nil	Nil	0.12	Nil	0.19	6.26	1.84
		Howrah	...	...	...	...	...	...	...	Nil	Nil	0.15	Nil	0.34	3.09	2.12
		Mohorekta	...	...	...	...	...	...	...	Nil	Nil	0.16	Nil	0.31	4.02	1.40
		Ulubaria	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3.80	?
		Serampore	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.23	8.63	1.80
		Hooghly	...	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.22	7.81	1.65
	Nadia	Jalambad	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.17	4.97	1.43
		Ranaghat	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.12	5.06	1.73
		Krishnagar	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.13	5.96	1.17
		Choudanga	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.17	1.62	1.62
		Moherpore	...	...	...	...	...	...	...	Nil	Nil	0.16	Nil	0.24	2.00	1.47
		Kuchlin	...	...	...	...	...	...	...	Nil	Nil	0.15	Nil	0.19	2.93	1.07
		Kuchlin	...	...	...	...	...	...	...	Nil	Nil	0.15	Nil	0.19	2.93	1.07
	Khulna	Satkhira	...	...	...	...	...	...	...	Nil	Nil	0.12	Nil	0.18	4.84	2.26
		Bazorchat	...	...	...	...	...	...	...	Nil	Nil	0.17	Nil	0.20	8.03	2.24
		Khulna	...	...	...	...	...	...	...	Nil	Nil	0.17	Nil	0.30	7.20	2.48
		Naktipur	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	5.44	?
		Kampal	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	5.40	?
		Narail	...	...	...	...	...	...	...	Nil	Nil	0.14	Nil	0.24	9.10	2.37
		Jessore	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.21	13.73	2.19
	Jessore	Jhonidah	...	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.11	8.57	1.83
		Magura	...	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.23	7.06	1.62
		Mangram	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.17	7.44	1.67
		Kalna	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.04	7.39	1.33
		Burdwan		...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.17	5.90	1.57
		Katwa		...	...	...	...	...	...	...	Nil	Nil	0.15	Nil	0.24	3.81	1.66
		Kaniganj		...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.19	1.69	1.17
	Bankura	Hankur	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1.73	?
		Bankura	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.18	4.50	1.48
		Vedhapur	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	5.42	1.47
		Mahara	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1.33	1.18
		Khatra	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	6.89	2.03
		Indas	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	5.43	?
		Kotalpur	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3.50	?
	Birbhum	Inda	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	4.86	?
		Gangajalghati	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1.80	?
		Baspur	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	8.34	?
		Sonamukhi	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.21	?
		Buri	...	...	...	...	...	...	...	Nil	Nil	0.07	Nil	0.14	1.01	1.27
		Hotampore	...	...	...	...	...	...	...	Nil	Nil	0.07	Nil	0.12	4.50	0.91
		Rampur Hat	...	...	...	...	...	...	...	Nil	Nil	0.19	Nil	0.15	5.56	0.99
NORTH BENGAL.	Murshidabad	Bolpur	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	2.25	?
		Murari	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.90	?
		Kandi	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.12	2.41	1.10
		Herampur	...	...	...	...	...	...	...	Nil	Nil	0.09	Nil	0.19	1.47	0.99
		Lalbagh	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3.01	0.79
		Animganj	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.14	1.51	0.92
		Jangipur	...	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.14	1.40	0.71
	Fahna	Lalgaia	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.16	1.15	0.81
		Alkhriganj	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.05	?
		Patlabari	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	8.30	?
		Fahna	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.16	1.06	1.35
		Siraganj	...	...	...	...	...	...	...	Nil	Nil	0.02	Nil	0.11	0.27	1.43
		Sherepore	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.14	0.74	1.29
		Nowkhilla	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.12	1.09	1.16
	Bogra	Bogra	...	...	...	...	...	...	...	Nil	Nil	0.14	Nil	0.18	0.90	1.31
		Pauchbibbi	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.10	0.91	0.46
		Boadia	...	...	...	...	...	...	...	Nil	Nil	0.12	Nil	0.16	1.22	1.15
		Nator	...	...	...	...	...	...	...	Nil	Nil	0.15	Nil	0.14	0.37	1.35
		Naugona	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	0.75
		Lalpara	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.33	?
		Munda	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.14	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 31st of December 1892—contd.

Meteorological Division.	District.	Station.	RAINFALL.							Total number of rainy days.	Rainfall of week.	Average rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct., 1892.	Average rainfall from 16th Oct. to date.
			Sunday, 29th.	Monday, 30th.	Tuesday, 27th.	Wednesday, 28th.	Thursday, 29th.	Friday, 30th.	Saturday, 31st.							
N. B. DIVISION.	Malda	Malda	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	1.32	1.32
		Chanchal	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.15	0.26	0.26
		Gopal	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.34	?
	Dinajpur	Sikaraj	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.60	?
		Mohantobore	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.05	0.51	0.44
		Churamun	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.01	0.29	0.41
		Raiganj	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.01	0.51	0.36
		Dinajpur	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.11	0.28	1.35
		Bahurmat	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.02	0.55	0.51
	Rangpur	Thakurgaon	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Bhawaniganj	...	...	...	...	...	...	...	Nil	Nil	0.07	Nil	0.26	0.33	1.33
		(Gyabandha)	...	...	...	...	...	...	...	Nil	Nil	0.02	Nil	0.10	2.42	1.01
		Rangpur	...	...	...	...	...	...	...	Nil	Nil	0.02	Nil	0.10	0.21	0.54
		Kamason	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.21	0.73	0.68
	Jalpaiguri	(Vijaynagar)	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Ulipore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Jalpaiguri	...	...	...	...	...	...	...	Nil	Nil	0.03	0.36	0.14	1.15	2.25
		Tipora Doar	...	...	...	...	...	...	...	Nil	Nil	?	0.23	?	1.38	?
		Faltacotta	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1.41	?
	Kuch Bihar	Debiapara	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.60	?
		Bhagatpore	...	...	...	...	...	...	...	Nil	Nil	?	0.02	?	0.18	?
		(Nayakhatta)	...	...	...	...	...	...	...	Nil	Nil	0.02	Nil	0.21	0.41	0.34
		Dinhatia	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.03	1.21	1.10
		Kuch Bihar	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.10	0.82	1.01
	Darjeeling	Mekliganj	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.11	1.64	0.75
		Muthabhang	...	...	...	...	...	...	...	Nil	Nil	0.07	1.15	0.30	0.35	3.51
		Buxa	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.10	1.86	0.18
		Sikaraj	...	...	...	...	...	...	...	Nil	Nil	0.11	0.62	0.36	0.92	3.41
		Darjeeling	...	...	...	...	...	...	...	Nil	Nil	0.01	0.75	0.31	1.06	0.50
	Chittagong	Karnagong	...	...	...	...	...	...	...	Nil	Nil	?	0.16	?	1.26	?
		Log's Bazar	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.21	1.95	5.27
		Chittagong	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.44	12.51	3.38
		Kutubdia	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1.14	?
		Rakhaia	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	8.81	?
	Chittagong Hill Tracts.	Kanungmati	...	...	...	...	...	...	...	Nil	Nil	0.16	Nil	0.43	0.00	4.27
		Bunderban	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	8.70	?
	Backergunge	Patnakhali	...	...	...	...	...	...	...	Nil	Nil	0.20	Nil	0.42	7.21	1.01
		Pirojpur	...	...	...	...	...	...	...	Nil	Nil	0.18	Nil	0.50	7.85	1.11
		Barua	...	...	...	...	...	...	...	Nil	Nil	0.17	Nil	0.26	7.50	3.15
		Ghoranadi	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	5.81	?
		Bhola	...	...	...	...	...	...	...	Nil	Nil	0.18	Nil	0.40	8.18	3.15
	Nonkhali	Dowlatkhan	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	11.61	?
		Banphal	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	8.40	?
		Nonkhali	...	...	...	...	...	...	...	Nil	Nil	0.16	Nil	0.41	0.19	4.11
		Penny	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.02	4.66	7.14
		Barishpore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1.06	?
	Faridpur	Rangpur	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	10.73	?
		Madaripur	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.14	0.00	1.01
		Faridpur	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.12	10.70	1.51
	Dacca	Gondondo	...	...	...	...	...	...	...	Nil	Nil	0.12	Nil	0.17	4.32	1.00
		Monshikan	...	...	...	...	...	...	...	Nil	Nil	0.12	Nil	0.25	7.19	2.10
		Dacca	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.22	11.51	1.55
		Suryaganj	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.07	14.00	3.51
		Muriganj	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.19	0.44	1.44
	Hill Tippera	Jaychhore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3.05	?
		Amritola	...	...	...	...	...	...	...	Nil	Nil	0.18	Nil	0.12	0.04	2.14
		Comilla	...	...	...	...	...	...	...	Nil	Nil	0.15	Nil	0.35	8.70	2.14
		Chandipore	...	...	...	...	...	...	...	Nil	Nil	0.13	Nil	0.30	7.15	1.55
		Brahmanbaria	...	...	...	...	...	...	...	Nil	Nil	0.15	Nil	0.30	10.57	2.15
	Mymensingh	Ranchandrapore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	7.07	?
		Nakshatrapur		...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	10.47	?
		Daudkandi		...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	4.15	?
		Karba		...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	12.41	?
		Laksham		...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	8.56	?
	Purnea	Kishoreganj	...	...	...	...	...	...	...	Nil	Nil	0.13	Nil	0.32	5.91	1.71
		Atin (Tangail)	...	...	...	...	...	...	...	Nil	Nil	0.07	Nil	0.11	2.71	1.06
		Mymensingh	...	...	...	...	...	...	...	Nil	Nil	0.09	Nil	0.22	0.61	1.01
		Jamailpur	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.27	1.74	1.51
		Notrakoun	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.10	3.25	2.50
	Bhagalpur	Sabornathally	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.01	?
		Durgapore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1.61	?
		Sheepore (Bora Dewanganj)	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	8.26	?
		Kushinagar	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.13	0.01	1.18
		Serai	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.13	Nil	0.36
	Bhagalpur	Purnea	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.29	0.63	1.31
		Gondwana (Kora)	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Barua	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Forbesganj	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Kalsaganj	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Darbhanga	Madhipura	...	...	...	...	...	...	...	Nil	Nil	0.07	Nil	0.13	1.11	0.90
		Bospana	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		(Najabad)	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Supaul	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.13	Nil	0.90
		Prothabganj	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	?	Nil	?
	Darbhanga	Bhagatpur	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.09	0.40	1.10
		Kuka	...	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.16	1.01	1.17
		Colganj	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1.34	?
		Talpur	...	...	...	...	...	...	...	Nil	Nil	0.16	Nil	0.22	0.02	0.94
		Darbhanga	...	...	...	...	...	...	...	Nil	Nil	0.02	Nil	0.10	0.02	0.01
	Bihar	Madhubani	...	...	...	...	...	...	...	Nil	Nil	0.14	Nil	0.21	Nil	0.87
		Bahera	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Koshera	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Koshera	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Koshera	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 31st of December 1892 - *concl.*

Meteorological Division.	District.	Station.	RAINFALL.							Total number rainy days.	Rainfall of week.	Average rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rain fall since 16th Oct. 1892.	Average rainfall from 16th Oct. to date.
			Sunday, 25th.	Monday, 26th.	Tuesday, 27th.	Wednesday, 28th.	Thursday, 29th.	Friday, 30th.	Saturday, 31st.							
NORTH RHAR —concluded.	Murshidpur...	Sitamarhi ...	...	...	...	...	...	...	...	Nil	Nil	0.12	Nil	0.24	Nil	0.73
		Murshidpur ...	...	...	...	...	...	...	...	Nil	Nil	0.14	Nil	0.22	Nil	1.60
		Hajipur ...	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.18	Nil	0.90
		Pura ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Mukna ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Sikhar ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Papri ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
	Champan ...	Motihari ...	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.10	Nil	0.62
		Bettiah ...	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.2	Nil	0.54
		Bagaha ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
	Baran ...	Gopalganj ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.14	Nil	0.34
		Saran ...	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.4	Nil	1.22
	Chapra ...	Chapra ...	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.19	Nil	1.15
SOUTH RHAR	Shahabad ...	Buxar ...	...	...	...	...	...	...	...	Nil	Nil	0.09	Nil	0.31	0.08	1.30
		Bahri ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.57	0.36	1.48
		Bhabhua ...	...	...	...	...	...	...	...	Nil	Nil	0.02	Nil	0.21	0.21	1.57
		Basani ...	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.39	0.33	1.63
		Arrah ...	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.25	0.29	1.09
		Mohana ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Khiri ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Apurva ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Ramgarh ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Koath ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Nikraul ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Bismah ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Munshapur ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
	Gaya ...	Aurangabad ...	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.38	0.74	0.98
		Gaya ...	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.7	0.41	1.22
		Nawadah ...	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.23	0.81	1.04
		Javanabad ...	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.23	0.16	0.90
		Ayral ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Daudhagar ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Sherpatti ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Rajaul ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
	Patna ...	Patna ...	...	...	...	...	...	...	...	Nil	Nil	0.09	Nil	0.22	0.14	1.34
		Samarpore ...	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.19	Nil	1.16
		Barh ...	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.17	0.50	1.28
		Barh ...	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.15	0.45	1.30
		Rickram ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Hilse ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
	Monghyr ...	Begusarai ...	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.10	2.21	1.46
		Monghyr ...	...	...	...	...	...	...	...	Nil	Nil	0.02	Nil	0.12	0.45	1.36
		Jamui ...	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.11	0.64	0.90
		...ri ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Shakhpura ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
	Sonthal Parganas.	Chahua Banda ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Rajmahal ...	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.04	0.58	1.06
		Godda ...	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.14	0.44	0.94
		Pikour ...	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.03	3.34	0.79
		Naya Jumska ...	...	...	...	...	...	...	...	Nil	Nil	0.15	Nil	0.21	1.15	1.50
		Deoghar ...	...	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.14	0.60	1.06
	Hazaribagh ...	Jamara ...	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.15	2.10	1.31
		Hetbudda ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Nandhat ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Pachmura ...	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.20	3.07	1.38
	Lohardaga ...	... (Gardh) ...	...	...	...	...	...	...	...	Nil	Nil	0.12	Nil	0.3	2.68	1.38
		... (Gardh) ...	...	...	...	...	...	...	...	Nil	Nil	0.09	Nil	0.36	3.77	1.03
		Sonhat ...	...	...	...	...	...	...	...	Nil	Nil	0.15	Nil	0.41	5.05	1.11
		Mahadi Hill ...	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.42	5.31	1.40
		Jamara Hill ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		... (Gardh) ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Chitra ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Naragicha ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
	Lohardaga ...	Lohardaga ...	...	...	...	...	...	...	...	Nil	Nil	0.28	Nil	0.80	5.89	2.02
		Banchi ...	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.43	6.44	1.47
		Nilla ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
	Palamau ...	Palaman (Dal ...)	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.33	0.67	1.46
		Palaman ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Husainabad ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
	Singbhum ...	Ghatiga ...	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.33	0.00	1.79
		Chakardhar ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Ghatiga ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Baharagura ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
	Manbhum ...	Parula ...	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.10	4.35	1.23
		Go-napur ...	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.21	1.70	1.23
		Baginmath ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Barchakum ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Jhanda ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Chua ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
	Pundra ...	Pundra ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?

Explanation.—... indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are missing, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 1/16 inch of rain has fallen.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS  
TAKEN IN BENGAL FOR THE WEEK ENDING 8 A.M., SATURDAY,  
THE 31ST OF DECEMBER 1892.

THE meteorology of the week has again been of little importance, and fine settled weather of ordinary north-east monsoon character has prevailed throughout the period. On the 25th instant, or the first day of the week, pressure was rising slowly, and was above the normal by about 0.05" to 0.07," while the general temperature of the province was nearly normal, slight defects being registered at the western stations, and slight excess temperatures in the east of the province. Winds were a little more strongly westerly than usual, and light westerly and north-westerly winds were generally reported. On the 26th the changes of pressure were unimportant, but temperature had fallen and had become below the normal by from 1° to 2°. Similar changes were reported on the 27th, but on the 28th pressure and temperature commenced to rise moderately, while on the 29th temperature was still rising slowly, though pressure was falling; on the 30th and 31st instants pressure was practically steady, and a further increase had taken place in the case of temperature, which had become in excess of the normal at all except a few of the eastern stations, the excess ranging up to 4°, 5° and 6° at the western stations in Bihar. During the last two days of the week also humidity had increased very decidedly over the province, and this rather rapid increase in temperature and humidity was apparently connected with a barometric depression which had appeared over North-Western India and which had steadily advanced in an easterly direction towards Bengal, and, as usual in such cases, a rapid increase of temperature and humidity took place in front of the advancing depression. Beyond these changes and a slight increase in cloud proportion at some of the western stations, the depression up to the end of the week had not materially affected Bengal, and winds were still north-westerly and westerly, and rainfall was quite absent from the province up to the close of the week.

*Pressure*—Has been in excess of the normal throughout the week, and the general excess has equalled about 0.06". The excess, however, has been smallest at the northern stations, where in many cases it has only equalled about 0.01."

*Temperature*—Was in slight defect of the normal for the earlier part of the week, but on the last two days it became rather largely in excess. Hence the mean temperature for the province for the week has been quite normal, the variation being considerably less than a tenth of a degree. Owing, however, to the rapid increase of temperature in the western districts at the end of the week, Bihar and Chota Nagpur show a general excess of about a degree, while North, East and South-West Bengal and Orissa show defects of about half a degree.

The distribution of temperature for the week in the province generally, and its variation from the normal value, are clearly seen in the table below, where the average maximum, minimum and mean temperatures at nine typical stations in different districts of the province are compared with their normal values for the period. Again, it will be seen that the night or minimum temperatures continue very decidedly defective.

Table showing the excess or defect of the actual mean temperature from the normal for the week ending 31st December 1892.

	Normal mean maximum temperature for the week ending 31st December.	Actual mean maximum temperature for the week ending 31st December 1892.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 31st December.	Actual mean minimum temperature for the week ending 31st December 1892.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 31st December.	Actual mean daily temperature for the week ending 31st December 1892.	Variation of actual mean from the normal.
Cuttack	81.7	86.0	+ 4.3	57.3	56.1	- 1.2	69.5	68.4	- 1.1
Calcutta	75.0	75.0	+ 0.0	53.8	54.3	+ 0.5	64.4	63.8	- 0.6
Dacca	76.7	77.2	+ 0.5	55.0	54.6	- 0.4	65.9	65.4	- 0.5
Burdwan	76.7	77.0	+ 0.3	53.2	53.3	+ 0.1	64.9	64.9	0.0
Patna	72.5	74.2	+ 1.7	43.0	40.1	- 2.9	57.8	57.7	- 0.1
Gaya	75.3	76.0	+ 0.7	50.0	49.2	- 0.8	62.9	62.4	- 0.5
Purnea	74.0	74.3	+ 0.3	47.3	45.3	- 2.0	61.1	60.5	- 0.6
Muzaribagh	71.4	73.6	+ 2.2	40.2	39.1	- 1.1	55.3	54.9	- 0.4
Deojoeling	47.0	43.0	- 4.0	33.7	34.9	+ 1.2	41.4	39.0	- 2.4

*Rainfall*—Has been entirely absent from the province throughout the week.



The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 31st of December 1892:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.	Rainy days.			Since 1st of month.	Since 1st of Oct. 1892.				
			Of highest of each day.	Of lowest of each day.	Of mean for each day.			Average number in week.	Normal average number in week.	Variation.						
Average.	Normal average.	Variation.	Average.	Normal average.	Average.	Normal average.										
Orissa ... ..	84.2	49.1	78.8	55.7	67.3	-0.7	Nil	0.04	-0.04	0.00	0.07	-0.07	Nil	0.15	6.35	3.48
South-West Bengal ... ..	83.3	45.3	77.0	51.9	64.4	-0.3	Nil	0.00	-0.00	0.00	0.11	-0.11	Nil	0.21	5.56	1.78
North Bengal ... ..	77.9	45.0	70.4	45.6	61.9	-0.5	Nil	0.04	-0.04	0.00	0.07	-0.07	0.61	0.14	0.81	1.11
East Bengal ... ..	78.9	39.0	75.5	51.9	63.7	-0.6	Nil	0.12	-0.12	0.00	0.20	-0.20	Nil	0.30	7.06	2.72
North Bihar ... ..	79.3	41.0	71.0	46.6	60.6	+0.2	Nil	0.06	-0.06	0.00	0.15	-0.15	Nil	0.18	0.14	0.04
South Bihar ... ..	80.9	43.7	75.8	49.5	62.7	+1.2	Nil	0.05	-0.05	0.00	0.14	-0.14	Nil	0.20	0.80	1.10
Coast Nagpur ... ..	82.7	43.4	75.3	59.4	62.9	+1.5	Nil	0.11	-0.11	0.00	0.19	-0.19	Nil	0.35	4.07	1.32

METEOROLOGICAL OFFICE, BENGAL,  
The 3rd January 1893.

A. PEDLER,  
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 25th to 31st December 1892.

MONTH.	Date.	Pressure at 10 A.M. corrected and reduced to 32 Falt.	TEMPERATURE.				HYGROMETRY.				Rainfall at 10 A.M. for past 24 hours	
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.		Humidity at 10 A.M.
1892.		Inches.	°	°	°	°		Inches.	°	%	Inches.	
December...	25th	30.152	63.8	75.9	21.2	51.7	69.4	61.7	471	57.2	62	Nil
"	26th	31.58	62.4	75.4	26.0	49.4	68.1	60.0	412	53.6	66	"
"	27th	31.58	62.7	75.9	26.4	49.5	67.1	59.2	394	52.6	60	"
"	28th	31.91	61.5	75.9	27.0	49.0	67.6	58.7	376	51.0	54	"
"	29th	31.15	65.2	78.9	27.2	51.7	69.6	62.7	478	57.7	66	"
"	30th	31.12	67.8	79.9	24.2	55.7	72.0	64.8	510	59.5	65	"
"	31st	31.39	67.3	80.6	21.2	65.9	73.1	64.6	497	58.8	61	"

The mean 10 A.M. pressure of the seven days ... .. 30.154

The mean temperature of the seven days ... .. 64.8

The extreme variation of temperature ... .. 31.2

The maximum temperature ... .. 80.6

The mean 10 A.M. relative humidity of the seven days ... .. 61

The total fall of rain from 25th to 31st December 1892 ... .. Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures.

METEOROLOGICAL OFFICE, INDIA,  
The 2nd January 1893.

C. LITTLE,  
For Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from  
25th to 31st December 1892.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 5 ft.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
				Inches.	°	°	°	°	°	(inches)	°	%			Inches.	
Dec.	25th	127.7	9.1	30.02	69.9	74.5	22.5	52.0	50.5	0.381	51.6	71	NNW and calm	41	Nil	Clear, $\text{D}$ .
"	26th	127.3	9.0	30.00	69.7	74.6	25.6	49.0	51.0	0.367	49.9	69	NNW and calm	27	"	Clear, $\text{D}$ .
"	27th	125.8	8.1	30.01	69.7	74.7	15.6	49.1	51.7	0.353	49.4	70	NNW, WNW and calm	21	"	Clear, $\text{D}$ , $\text{E}$ .
"	28th	125.7	9.2	30.01	61.5	75.7	53.2	49.5	55.6	0.607	50.4	60	WNW and calm	26	"	Clear, $\text{D}$ , $\text{E}$ .
"	29th	127.7	9.2	30.01	69.1	77.7	24.5	51.2	57.3	0.411	53.7	71	WNW and calm	34	"	Clear, $\text{D}$ , $\text{E}$ .
"	30th	127.5	9.1	30.02	65.7	76.8	21.8	54.0	53.9	0.400	53.4	69	WSW and calm	32	"	Clear, $\text{D}$ , $\text{E}$ .
"	31st	129.0	9.0	30.00	66.7	73.5	21.0	55.5	50.1	0.369	52.9	69	NNW and calm	40	"	Clear, $\text{D}$ , $\text{E}$ .

The mean pressure of the seven days ... 30.080  
The average pressure of the corresponding period for 24 years, S.-G.'s Office ... 30.034

The total number of hours of bright sunshine ... 63.0  
The maximum possible number of hours of sunshine ... 75.1

The mean temperature of the seven days ... 63.0  
The average temperature of the corresponding period for 24 years, S.-G.'s Office ... 66.9  
The extreme variation of temperature ... 39.5  
The maximum temperature ... 79.5

The highest velocity of the wind in one hour ... 7  
Miles.

The highest pressure of wind on one square foot ... ?  
lbs.

The mean relative humidity ... 69  
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office ... 71

The total fall of rain from 25th to 31st December 1892 ... Nil  
The average fall of the corresponding period for 24 years, S.-G.'s Office ... 0.01  
The total fall from 1st January to 31st December 1892 ... 46.67  
The average fall of the corresponding period for 24 years, S.-G.'s Office ... 65.24

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beekley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

$\Delta$ , dew;  $\equiv$ , fog.

O. LITTLE,

For Meteorological Reporter to the Govt. of Bengal.

**SUPPLEMENT TO THE CALCUTTA GAZETTE, JANUARY 4, 1892.**

Divisions.	Districts.	Population under 15 years.	Number registered.	Ratio per 1,000 of population.	AVERAGE OF CORRESPONDING MONTHS OF PREVIOUS FIVE YEARS.										Remarks.							
					Cholera.	Smallp. &c.	Fever.	Dysentery and Diarrhoea.	Injury.	OTHER CAUSES.		TOTAL OF ALL CAUSES.										
										Number registered.	Ratio per 1,000 of population.	Number registered.	Ratio per 1,000 of population.									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Burdwan	Burdwan	1,301,891	2,500	29,300	4,3	3,72	10	1,01	98,56	1,12	7,9	1,01	8	7,9	4,37	4,30	3,131	3,144	2,931	25,00	31,50	Return not received up to date.
	Bankura	1,026,69	1,78	19,90	14	7,12	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Birbhum	767,833	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Hooghly including Saveri	1,076,710	1,78	28,32	1,78	7,9	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
Presidency	Howrah	1,781,211	2,500	29,300	4,3	3,72	10	1,01	98,56	1,12	7,9	1,01	8	7,9	4,37	4,30	3,131	3,144	2,931	25,00	31,50	
	24 Parganas	1,800,03	1,78	19,90	14	7,12	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Nadia	1,441,18	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Jessore	1,800,03	1,78	19,90	14	7,12	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
Rajshahi	Murshidabad	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Dinajpur	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Rangpur	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Barisal	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
Dacca	Barisal	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Dinajpur	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Rangpur	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Barisal	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
Chittagong.	Chittagong	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Chittagong	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Chittagong	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Chittagong	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
Patna	Patna	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Patna	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Patna	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Patna	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
Monghyr	Monghyr	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Monghyr	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Monghyr	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Monghyr	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
Orissa	Orissa	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Orissa	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Orissa	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Orissa	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
Chota Nagpur.	Chota Nagpur	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Chota Nagpur	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Chota Nagpur	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
	Chota Nagpur	1,177,021	1,500	27,00	314	4,78	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
Total		15,021,394	15,021,394	34,56	1,035	1,92	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
Average of the corresponding month of previous 5 years		Not available, as the registration in this division was only introduced from the commencement of 1892.	7,631	1,035	1,92	1,01	1,01	1,01	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12	
Difference + or -			+2,034	+60	-327	+06	+02	+02	+02	+02	+02	+02	+02	+02	+02	+02	+02	+02	+02	+02	+02	

**OFFICE OF SANITARY COMMISSIONER FOR BENGAL,**  
**The 31st December 1892.**  
**W. H. GREGG, Surgeon-Lieut.-Col.,**  
*in Public Health Service*

Vital statistics of Towns in Bengal with a population of 20,000 and over during the month of November 1892.

DISTRICTS.	TOWNS.	Population under register.	BIRTHS.		DEATHS.												AVERAGE OF CORRESPONDING MONTHS PREVIOUS FIVE YEARS.		REMARKS.		
			Number of Births.	Ratio per 1,000 population.	CHOLERA.	SMALLPOX.	FEVER.	DYSENTERY AND DIARRH.	INFANT.	SCURVY.	TYPHOID.	TYPHOUS FEVER.	DIPHTHERIA.	TUBERCULOSIS.	OTHER CAUSES.	TOTAL OF ALL CAUSES.	Ratio per 1,000 population.	Ratio per 1,000 population.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Bardhaman	...	31,177	97	30.56	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Midnapore	...	80,254	11	13.56	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hooghly	...	3,762	1	26.59	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Howrah	...	116,006	28	24.10	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24 Parganas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nadia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Murshidabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rajshahi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pabna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jalpaiguri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chittagong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Patna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gaya	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Shahabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Muzaffarpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Darbhanga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Samastipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chhapra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Monroe	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bhagalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuttack	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Balasore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Leharpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	1,171,188	37,700	32.72	111	1,231	14,488	4,300	3,324	13,093	4,220	3,324	...	...	...	...	...	...	...	...	...
Average of corresponding months of previous five years.		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Difference + or -		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,  
The 31st December 1892.W. H. GREGG, Surgeon-Lieut.-Col.,  
Dip. Publ. Health, Camb., Sanitary Commissioner for Bengal.

[illegible]

W. H. GREGG, *Surgn.-Lieut.-Col.,  
Dip. Publ. Health, Camb., Sanitary Commissioner for Bengal*

**OFFICE OF SANT. COMR., BENGAL,**  
*The 31st December 1892.*

## CIRCULAR AND EASTERN CANALS.

*Approximate return of traffic for the week ending Saturday, the 24th December 1892, as compared with the corresponding week of the previous year.*

NAME OF CARGO.	WEEK ENDING SATURDAY, THE 24TH DECEMBER 1892.			WEEK ENDING SATURDAY, THE 26TH DECEMBER 1891.		
	Number of Loads.	Weight of cargo.	Tollage.	Number of loads.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	1,776	1,43,200	2,127	1,768	2,06,335	3,203
Jute	322	1,42,900	2,594	143	82,800	1,555
Firewood	88	48,700	736	104	69,550	1,063
Other articles	960	2,40,725	3,696	893	2,16,050	3,532
Total	3,144	5,75,525	9,153	3,908	5,75,335	9,353

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 17th December 1892, on 1,615½ miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week	239,052	Rs. A. P. 2,06,230 10 0	Mds. B. 28,08,455 0	Rs. A. P. 6,79,273 12 0	Rs. A. P. 18,667 10 0	Rs. A. P. 9,94,168 0 0	76,352½	107,22½	183,577½
Or per mile of railway	.....	183 5 7	.....	429 6 9	11 8 0	615 5 1	.....	.....	.....
For previous 23½ weeks of half-year	6,091,202	65,46,346 7 0	5,47,13,325 0	1,25,43,411 1 0	3,53,930 9 0	1,94,72,587 11 0	1,745,103½	2,153,218	3,898,321½
Total for 23½ weeks	6,330,254	68,12,583 1 0	5,75,21,750 0	1,32,22,681 13 0	4,02,487 13 0	2,04,67,756 11 0	1,821,455½	2,390,584	4,122,040
COMPARISON.									
Total for corresponding week of previous year	245,118½	2,03,878 2 9	28,04,931 20	6,38,952 7 0	23,261 0 1	9,48,091 9 10	74,152	1,02,673	176,825
Per mile of railway corresponding week of previous year	.....	180 15 2	.....	397 6 3	14 11 2	589 0 7	.....	.....	.....
Total for corresponding 23½ weeks of previous year	6,406,918½	70,24,618 5 11	5,76,89,912 0	1,38,04,769 9 10	4,51,368 1 9	2,03,10,856 1 6	1,815,482	2,327,363	4,142,845

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 17th December 1892, on 22½ miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week	15,247	Rs. A. P. 3,824 10 0	Mds. B. 12,998 29	Rs. A. P. 634 15 0	Rs. A. P. 19 0 0	Rs. A. P. 4,435 0 0	873	146	1,019
Or per mile of railway	.....	171 14 3	.....	27 0 2	0 7 2	199 5 7	.....	.....	.....
For previous 23½ weeks of half-year	426,021	1,07,370 14 0	11,75,269 3	17,946 3 0	1275 0 0	1,17,702 1 0	20,962	1,647	22,609
Total for 23½ weeks	441,268	1,11,395 8 0	1,88,968 10	8,567 2 0	245 0 0	1,20,187 10 0	21,839	1,793	23,632
COMPARISON.									
Total for corresponding week of previous year	15,912½	3,833 8 2	7,214 0	328 2 0	8 4 0	4,169 14 8	695	159	854
Per mile of railway corresponding week of previous year	.....	173 4 8	.....	14 11 11	0 6 0	187 0 7	.....	.....	.....
Total for corresponding 23½ weeks of previous year	447,371	1,09,962 13 0	2,20,330 0	8,773 4 0	694 2 0	1,19,450 4 3	21,923	2,028	23,951

\* Added number of passengers 519 and Rs. 3½ on account of difference between the approximate and audited figures for the week ended 13th Nov. 1892.  
 † Declined amounts 35 and added " 3½  
 ‡ Added " 7½

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 17th December 1892, on 162 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other cargings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
traffic for the week ...	14,560	11,686 14 0	60,607 20	10,463 11 0	62 0 0	22,201 9 0	5,500	3,131½	8,631½
per mile of railway ...	...	73 2 3	.....	64 8 4	0 6 2	137 0 0	.....	.....	.....
previous 23½ weeks of half- year ...	*200,130	*3,05,407 11 0	+10,01,587 20	+1,03,500 13 0	22,212 0 0	4,73,300 8 0	148,005½	55,815½	203,821½
Total for 24½ weeks ...	405,219	3,17,184 9 0	10,02,465 0	1,76,043 8 0	2,274 0 0	4,06,302 1 0	153,505½	58,447½	211,953½
COMPARISON.									
for corresponding week of previous year ...	14,406½	10,928 5 10	45,701 30	8,421 11 0	79 8 3	10,420 9 1	6,407	2,045	8,452
per mile of railway correspond- ing week of previous year ...	.....	67 7 4	.....	51 13 10	0 7 10	119 15 0	.....	.....	.....
for corresponding 24½ weeks of previous year ...	304,631½	2,92,934 0 2	10,21,101 10	2,07,157 6 4	2,003 4 0	5,02,714 11 0	156,003	49,241	105,844

\* Added number of passengers 733 and Rs. 1,418½ on account of difference between the approximate and audited figures for the week ended 13th  
+ Do. mounds 82,126 and deducted " 45½  
: Do. " 30½ November 1892.



APPENDIX TO

# The Calcutta Gazette.

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WEDNESDAY, JANUARY 4, 1893.

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## NOTICES TO MARINERS.

### GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 241.

[First Publication.]

BAY OF BENGAL—BURMA COAST.

*Krishna shoal light—Date of alteration postponed.*

WITH reference to Notice to Mariners No. 181, dated 11th October 1892, issued by this office, intimating that the character of the Krishna shoal light will be altered from 1st January 1893, the Port Officer, Rangoon, through the Director of the Royal Indian Marine, has given further notice, that owing to the non-arrival of an important part of the new apparatus, the alteration of the light is postponed one month.

The light should be exhibited therefore on the 1st February 1893.

EATON. W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 29th December 1892.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

### GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 242.

[First Publication.]

BAY OF BENGAL—BURMA COAST.

*Kyauk Pyu harbour—Universal System of buoyage.*

THE Port Officer, Akyab, through the Director of the Royal Indian Marine, has given notice, that all buoys marking the channel are now painted in accordance with the International System of Buoyage, viz:—

The Starboard hand buoys are painted *red*; and the Port hand *black*; on entering the channel.

EATON. W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 29th December 1892.

R. H. STEPHEN,  
*Under-Secretary, Marine Department.*



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GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 243.

[First Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

*Intended alteration in the Kutubdea light.*

With reference to Notice to Mariners No. 202, dated the 17th November 1891, issued by this office, a further telegraphic communication has been received from the Port Officer, Chittagong, stating that the new Kutubdea light has an interval of one minute between the revolutions or flashes; the duration of each flash being six seconds, and its greatest intensity two seconds.

As notified in No. 77 of the 14th April 1892, the new light will be exhibited on the 1st January 1893.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*  
CALCUTTA, the 29th December 1892.

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GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS.—No. 244.

[First Publication.]

AUSTRALIA—KEPPEL BAY.

*Main channel across Wide Bay Bar, and Lightship at Keppel bay.*

THE Port Master, Brisbane, has given notice (No. 19 of 1892) that it has been reported that the main or north channel across Wide Bay Bar lies more to the northward than formerly, and, consequently, that the leading beacons, which have hitherto been kept open once their own width to northward, must be kept still more open. Until the bar has been examined, and the beacons altered to meet changes, vessels must approach and use this channel with caution.

The lightship at Keppel bay will be retained in her present position until further notice.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*  
CALCUTTA, the 29th December 1892.

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GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 245.

[First Publication.]

AUSTRALIA—WIDE BAY BAR.

*Channel across the Bar—Beacons altered.*

THE Port Master, Brisbane, has given notice (No. 20 of 1892) that the beacons which lead across Wide Bay Bar through the North Channel have been altered, and are now to be kept in line, bearing N. 74° W. (W. by N.  $\frac{1}{2}$  N.), magnetic.

The least depth on this lead is at present 18 feet at low-water springs.

The beacons which lead through the South Channel have also been altered, and now lead N. 50° W. (N. W.  $\frac{1}{4}$  W.), magnetic.

On this lead the least depth is now 13 feet at low-water springs.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*  
CALCUTTA, the 29th December 1892.

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 235.

[Second Publication.]

INDIA, WEST—BOMBAY COAST

*Universal system of buoyage, Bombay harbour.*

THE Trustees of the Port of Bombay have given notice that all the Harbour and Shoal buoys in the Port have been painted in accordance with the recommendations of the Committee on the Universal System of Buoyage, namely:—

Starboard buoys painted *Red*.Port buoys painted *Black*.

Middle Ground and Elephanta Shoal buoys painted black with white horizontal stripes.

The shapes of the buoys will also be altered in accordance with the recommendations of the Committee when it is found necessary to renew them.

EATON W. PETLEY,

*Port Officer of Calcutta.*

Published for general information.

K. H. STEPHEN,

*Under Secretary, Marine Department.*

CALCUTTA, the 19th December 1892.

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 236.

[Second Publication.]

AUSTRALIA, NORTH COAST—PORT DARWIN.

*Charles Point light.*

THE Secretary, Marine Board, port Adelaide, has given notice (No. 11 of 1892) that on and after 1st February 1893, a light of the following description will be exhibited from *Charles Point*:—Position (approx.) lat.  $12^{\circ} 23' 20''$  S.; long.  $130^{\circ} 37'$  E. The tower is built of iron and painted red and white in horizontal bands. The focal plane of the light is 121 feet above high water, and the light will be visible from a vessel's deck in ordinary weather 18 miles. The light will be of the first order, revolving every thirty seconds, and will show over an arc of  $257^{\circ}$ , viz.:—A green sector of  $60^{\circ}$  over the Great Fish Reef and adjacent dangers, from N.  $22^{\circ}$  E. to N.  $82^{\circ}$  E.; bright  $155^{\circ}$  from N.  $82^{\circ}$  E. to S.  $57^{\circ}$  W.; and a red sector of  $42^{\circ}$  showing over the shoals to the west of Port Darwin entrance, from S.  $57^{\circ}$  W. to N.  $81^{\circ}$  W.; the remaining arc of  $103^{\circ}$  to be obscured.

Referring to Notice to Mariners, No. 5 of 1891, mariners are hereby informed that the erection of the lighthouse on Point Emery is postponed for the present.

EATON W. PETLEY,

*Port Officer of Calcutta.*

Published for general information.

K. H. STEPHEN,

*Under Secretary, Marine Department.*

CALCUTTA, the 19th December 1892.

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 237.

[Second Publication.]

AUSTRALIA, SOUTH—TASMANIA, WEST COAST.

*Entrance islet light-house Macquarie harbour.—Amended sector of red light.*

WITH reference to Notice to Mariners No. 212, dated 26th November last, issued by this office, the British Admiralty has given further notice (No. 516 of 1892) that a sector of red light would be shown from entrance islet light-house, Macquarie harbour entrance, through an arc of  $35^{\circ}$ , or from the bearing of S.  $16^{\circ}$  E. to S.  $51^{\circ}$  E.

The Government of Tasmania has given further notice that on 1st October 1892, the sector of red light would be shown from entrance islet light-house, through an arc of  $35^{\circ}$ , or from the bearing of S.  $16^{\circ}$  E. to S.  $19^{\circ}$  W. This sector is intended to cover the North spit, which extends from Entrance islet to the bar, and to guide vessels approaching from the northward when the inner leading light (*fixed green*) is obscured by Entrance islet.

Approximate position, lat.  $42^{\circ} 11' 35''$  S., long.  $145^{\circ} 13' 30''$  E.

CAUTION.—As the bar occasionally shifts to a greater or less distance from the North spit, Mariners are cautioned that they should not depend on being clear of the spit, and in the channel, directly the light changes from red to white, but should proceed as previously with the leading lights in line.

(Variation  $8^{\circ}$  Easterly in 1892.)

EATON W. PETLEY,

*Port Officer of Calcutta.*

Published for general information.

K. H. STEPHEN,

*Under Secretary, Marine Department.*

CALCUTTA, the 19th December 1892.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 238.

[Second Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

*Longitude of Black conical buoy corrected.*

With reference to Notice to Mariners No. 187, dated 24th October last, issued by this office, a further telegraphic communication has been received from the Port Officer, Chittagong, stating that the longitude of the South Patch buoy should be  $91^{\circ} 38' \text{ E.}$ , not  $91^{\circ} 31' \text{ E.}$  as notified in the above Notice to Mariners.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 19th December 1892.

K. H. STEPHEN,  
*Under Secretary, Marine Department*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 239.

[Second Publication.]

CHINA SEA—PHILIPPINE ISLANDS.

*Shoal northward of Nangalao islands.*

THE British Admiralty has given notice (No. 536 of 1892) of the existence of a shoal lying about 2 miles northward of the largest of the Nangalao islands. This shoal, on which a sounding of 8 fathoms was obtained, the bottom consisting of large stones, lies with the north-west point of Kabulauan or Sombrero island bearing  $S. 42^{\circ} \text{ W.}$ , and Tres Reyes islets  $N. 45^{\circ} \text{ W.}$

Approximate position, lat.  $11^{\circ} 29' 45'' \text{ N.}$ , long.  $120^{\circ} 9' \text{ E.}$

NOTE.—Less water may exist in the vicinity of the abovementioned shoal.

(Variation  $1^{\circ}$  Easterly in 1892.)

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 22nd December 1892.

K. H. STEPHEN,  
*Under Secretary, Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 240.

[Second Publication.]

EASTERN ARCHIPELAGO—MOLUCCA SEA.

*Reef eastward of Labengki island.*

THE British Admiralty has given notice (No. 538 of 1892) of the existence of a reef, composed of coral and sand, lying about  $3\frac{1}{2}$  miles eastward of Labengki island, where 20 fathoms has heretofore been charted, with the islet south-east of Labengki island bearing  $S. \text{ by } W. \frac{1}{2} \text{ W.}$ , and the north extreme of that island  $W. \frac{1}{2} \text{ N.}$  The least depth obtained on the reef was 7 feet, but there may be shallower water in the vicinity.

Approximate position, lat.  $3^{\circ} 24' \text{ S.}$ , long.  $122^{\circ} 30' \text{ E.}$

(Variation  $2^{\circ}$  Easterly in 1892.)

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 22nd December 1892.

K. H. STEPHEN,  
*Under Secretary, Marine Department.*

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 232.

[Third Publication.]

INDIA EAST—MADRAS COAST.

*Alteration of date of exhibition of the new light at Madras.*

IN continuation of Notice to Mariners, No. 170, dated 17th September last, issued by this office, the following information has been received from the Presidency Port Officer, Madras, and further particulars have been asked for to complete the notice in all its details :—

With reference to Notice to Mariners (*Madras*) on this subject, dated 2nd September 1892, it is now notified that the new light referred to therein will not be exhibited before the 1st April 1893.

2. The light will be visible in all directions from seaward at a distance of not less than 20 miles in clear weather.

3. The height above high water of the centre of the lantern of the new apparatus will be about 166 feet.

4. The main tower of the New High Court Buildings bears N. 18° W. magnetic 278 feet of the old lighthouse.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 13th December 1892.

K. H. STEPHEN,  
*Under Secretary, Marine Department.*

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 233.

[Third Publication.]

BAY OF BENGAL—BURMA COAST.

*Bar buoy in position—Akyab harbour.*

THE Port Officer, Akyab, has given notice, dated 25th November 1892, that the Bar buoy, Akyab harbour, has been placed in position.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 13th December 1892.

K. H. STEPHEN,  
*Under Secretary, Marine Department.*

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 234.

[Third Publication.]

BAY OF BENGAL—BURMA COAST.

*Akyab harbour—Buoys painted in accordance with the Universal System.*

THE Port Officer, Akyab, has given notice, dated the 25th November 1892, that all buoys marking the channel are painted in accordance with the Universal System of Buoyage, viz., those on the Starboard hand, on entering, are painted *Red*; those to port, *Black*.

Oyster reef buoy is painted *Black*.

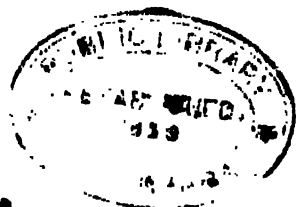
EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 13th December 1892.

K. H. STEPHEN,  
*Under Secretary, Marine Department.*





# The Calcutta Gazette.

WEDNESDAY, JANUARY 11, 1893.

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## PART I.

Orders and Notifications by the Lieutenant-Governor of Bengal,  
the High Court, Government Treasury, &c.

### ORDERS BY THE LIEUT.-GOVERNOR OF BENGAL.

#### PROGRAMME OF HIS HONOUR THE LIEUTENANT-GOVERNOR'S TOUR, 1893.

				H. M.	
January 20th ...	Dep. ...	Calcutta (Sealdah)	By rail ...	7 5	Departure private.
" 20th ...	Arr. ...	Diamond Harbour	Do ...	9 40	Embark on H. M. I. M. S. <i>Guide</i> .
" 21st ...	Arr. ...	Chittagong	By sea ...	Afternoon.	
" 22nd ...	} Halt				
" 23rd ...					
" 24th ...					
" 25th ...					
" 26th ...	Dep. ...	.....	Do. ...	Morning ...	On board the <i>Guide</i> to Kutub- dia and thence on the <i>Chaffinch</i> .
" 26th ...	Arr. ...	Cox's Bazar	Do. ...	Afternoon.	
" 27th ...	} Halt	Ditto	Do. ...	.....	Visit Ramu.
" 28th ...		Ditto	Do. ...	Morning ...	On <i>Chaffinch</i> and rejoin the <i>Guide</i> at Kutubdia.
" 29th ...	Dep. ...	Ditto	Do. ...	Afternoon...	Arrival private.
" 30th ...	Arr. ...	Calcutta	Do. ...	Afternoon...	

His Honour will be accompanied by Mr. C. C. Stevens, Mr. W. C. Macpherson, the Hon'ble H. J. S. Cotton, C.S.I., and Captain Currie, Private Secretary.

All letters, parcels, &c., &c., to be addressed to "His Honour the Lieutenant-Governor's Camp" without the addition of any post town.

By order,  
J. W. CUREIE, Capt.,  
Private Secretary.

## No. 3A.

**GENERAL.**—*The 4th January 1893.*—Babu Nogendra Nath Mukherji, Officiating Deputy Magistrate and Deputy Collector, Hooghly, is transferred to the head-quarters station of the Palamau district.

Mr. A. H. Collins, Officiating District and Sessions Judge, Bankura, is allowed furlough for one year, under article 340 (b) of the Civil Service Regulations, with effect from the 14th January 1893.

*The 6th January 1893.*—Babu Radha Syam Sinha, Deputy Magistrate and Deputy Collector, Singhbhum, is allowed leave for twenty days, under article 291 of the Civil Service Regulations, in extension of the leave granted to him under the order of the 1st December 1892.

Babu Rajendra Nath Roy, Deputy Magistrate and Deputy Collector, Lohardaga, is allowed leave for one month-and-a-half, under article 291 of the Civil Service Regulations, with effect from the 16th January 1893.

*The 7th January 1893.*—Babu Atul Chunder Kerr, substantive *pro tempore* Sub-Deputy Collector, is allowed leave for one week, under article 273 (a) of the Civil Service Regulations, in extension of the leave granted to him under the order of the 21st November 1892.

*The 9th January 1893.*—Babu Asutosh Mookerjee, substantive *pro tempore* Sub-Deputy Collector, Godda, Southal Parganas, is transferred to the head-quarters station of that district, with effect from the 3rd December 1892.

The undermentioned officers are appointed substantively to the seventh grade of Deputy Magistrates and Deputy Collectors, but will continue to be employed under the Director of the Department of Land Records and Agriculture, Bengal, until further orders:—

Mr. Bhupal Chandra Basu.  
., Nogendra Nath Banerjee.

Mr. A. Earle, Joint-Magistrate and Deputy Collector, Saran, is appointed to act, until further orders, in the first grade of Joint-Magistrates and Deputy Collectors, with effect from the 31st December 1892.

*The 10th January 1893.*—Babu Dumri Lal, Officiating Deputy Magistrate and Deputy Collector, on Excise work in the district of Gaya, is allowed leave up to the 4th February 1893 inclusive, under article 273 (a) of the Civil Service Regulations, with effect from such date as he may avail himself of it.

**POLICE.**—*The 4th January 1893.*—Mr. F. L. Halliday, Assistant Superintendent of Police, is posted to Purnea, on being relieved of his appointment as Officiating Superintendent of the Presidency Jail.

*The 6th January 1893.*—Mr. O. E. Briscoe, Assistant Superintendent of Police, in charge of the District Police, Muzaffarpur, is transferred to Purnea, with effect from the date on which he joined that district.

*The 10th January 1893.*—Mr. F. L. Halliday was employed as an Assistant Superintendent of Police in the Midnapore district from the 16th to the 18th November 1892, both days inclusive.

**REGISTRATION.**—*The 7th January 1893.*—Maulvi Muhammad Imdadulla, Rural Sub-Registrar of Bamni, in the district of Noakhali, is appointed to be Rural Sub-Registrar of Jaffarganj in the district of Dacca.

Maulvi Tamizuddin, Rural Sub-Registrar of Jaffarganj, in the district of Dacca, is appointed to be Rural Sub-Registrar of Bamni in the district of Noakhali.

*The 10th January 1893.*—Babu Abhoy Charan Roy, Rural Sub-Registrar of Paikgacha, in the district of Khulna, is appointed to be Rural Sub-Registrar of Bagerhat in the same district.

Babu Surendra Gopal Mitter is appointed to be Rural Sub-Registrar of Paikgacha in the district of Khulna.

Munshi Kurbanulla is appointed to be Rural Sub-Registrar of Sherpur in the district of Bogra.

Munshi Mazharuddin Chowdhury is appointed to be Rural Sub-Registrar of Khanjanpur in the district of Bogra.

The following notifications are republished from the *Assam Gazette*:—

*No 11545 G.*—*The 21st December 1892.*—Mr. L. St. J. Brodrick, Assistant Superintendent of Police, on return from leave, is posted to Sibsaagar and placed in charge of the Civil Police of that district.

*No. 11561 G.*—*The 22nd December 1892.*—Furlough on medical certificate for one year, under article 343 of the Civil Service Regulations, is granted to Mr. A. L. Medlicott, I.C.S., Assistant Commissioner, with effect from the 14th November 1892, or the subsequent date on which he may have availed himself of it.

*No. 11582 G.*—*The 22nd December 1892.*—Mr. R. S. Greenshields, I.C.S., Deputy Commissioner, on return from furlough is posted to the Lakhimpur district.

*No. 11583 G.*—*The 22nd December 1892.*—Mr. W. B. Brown, I.C.S., Officiating Deputy Commissioner, Lakhimpur, on being relieved by Mr. R. S. Greenshields, I.C.S., is transferred to North Lakhimpur as Assistant Commissioner, and placed in charge of that sub-division.

*No. 11584 G.*—*The 22nd December 1892.*—Mr. B. V. Nicholl, I.C.S., Assistant Commissioner, North Lakhimpur, on being relieved by Mr. W. B. Brown, I.C.S., is transferred to Goalpara and placed in charge of that sub-division.

*No. 11585 G.—The 22nd December 1892.*—Under the provisions of section 12 of the Code of Criminal Procedure (Act X of 1882), the Chief Commissioner invests Mr. B. V. Nicholl, I.C.S., Assistant Commissioner, with the powers of a Magistrate of the first class.

*No. 11609 G.—The 23rd December 1892.*—Under the provisions of section 12 of the Code of Criminal Procedure (Act X of 1882), the Chief Commissioner invests Mr. D. H. Lees, I.C.S., Assistant Commissioner, with the powers of a Magistrate of the first class.

*No. 11900 G.—The 30th December 1892.*—Notification No. 11585 G., dated the 22nd December 1892, published at page 886 of the *Assam Gazette*, dated the 24th December 1892, is cancelled.

H. J. S. COTTON,  
Chief Secy. to the Govt. of Bengal.

## NOTIFICATION.

*The 10th January 1893.*—The following statement shows the allotment of furloughs to officers of the Indian Civil Service and Non-Regulation Commission during the first half of the year 1893:—

Total number of Indian Civil Servants and Officers of the Non-Regulation Commission serving under the Government of Bengal	184
Twenty per cent. of this number	36·8
Deduct number of officers now absent on furlough	13
Deduct also furloughs recently granted	2
Number of furloughs at present available	21

Number of furloughs which may be expected to be available on the return of the following officers during January, February, and March 1893:—

Mr. J. G. Charles, 28th January 1893	1
„ H. P. Peterson, 8th February 1893	1
„ M. Finucane, 13th March 1893	1
„ F. E. Pargiter, 31st „	1
„ J. G. Ritchie, 31st „	1
Total number of furloughs which may be expected to be available before the 1st April 1893	26

H. J. S. COTTON,  
Chief Secy. to the Govt. of Bengal.

## NOTIFICATION.

*The 10th January 1893.*—In continuation of the notification, dated the 13th December 1892, it is hereby notified that the following officers passed in the subjects mentioned against their names at the Half-yearly Departmental Examination of Assistant Magistrates and others held in October 1892:—

*Higher Standard.*

1. Mr. R. F. G. Faussett, Assistant Superintendent of Police, Patna City ... Hindustani.
2. Babu Niranjau Bhattacharjee, Officiating Deputy Magistrate and Deputy Collector, Manbhum ... Law.
3. „ Bhubani Prasad Neogy, Officiating Deputy Magistrate and Deputy Collector, Saran ... Bengali.
4. „ Charu Chunder Mitter, Sub-Deputy Collector, Gaya ... Bengali.
5. „ Annada Charan Gupta, *sub. pro tem.* Sub-Deputy Collector, Monghyr ... Bengali.

*Lower Standard.*

1. Babu Akshoy Kumar Chatterjee, Special Deputy Collector, Patna ... Law.

H. J. S. COTTON,  
Chief Secy. to the Govt. of Bengal.

## REVENUE DEPARTMENT,—(OPIUM).

## NOTIFICATION.—No. 101-O.

*The 9th January, 1893.*—Mr. A. B. Kennedy, Assistant Sub-Deputy Opium Agent, is allowed furlough for seven months, under article 371 of the Civil Service Regulations, with effect from the 20th March, 1893, or any subsequent date on which he may avail himself of it.

C. E. BUCKLAND,  
Secy. to the Govt. of Bengal.



## NOTIFICATION.—No. 114L.R.

*The 1st January 1893.*—The following Officers are appointed to be Assistant Settlement Officers in the Division of Orissa :—

(1)	Babu Jamini Mohan Das ...	Deputy Collector.
(2)	„ Prosanna Kumar Banuerji ...	Sub-Deputy Collector.
(3)	„ Akhoy Kumar Sen ...	Ditto ditto.
(4)	„ Grish Chunder Dutt ...	Ditto ditto.
(5)	„ Nishi Kanto Chatterjee ...	Ditto ditto.
(6)	„ Jotendra Mohan Sinha ...	Ditto ditto.
(7)	„ Abhoy Prasad Das ...	Ditto ditto.
(8)	„ Amrita Lal Gupta ...	Ditto ditto.
(9)	„ Upendra Chandra Mukharji ...	Ditto ditto.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.—No. 115L.R.

*The 5th January 1893.*—Under section 1, clause 3 of the Bengal Tenancy Act VIII of 1885, the Lieutenant-Governor, with the previous sanction of His Excellency the Governor-General in Council, and in continuation of the Bengal Government Notification No. 2448L.R., dated the 27th June 1892, published in the *Calcutta Gazette* of the 29th June 1892, Part I, page 673, is pleased to extend sections 189 and 190 of the Act to the division of Orissa.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.—No. 146L.R.

*The 5th January 1893.*—Under section 3 (17) of the Bengal Tenancy Act VIII of 1885, the following Officers are appointed to discharge the functions of Revenue Officers under the provisions of all the sections of the said Act in force in the division of Orissa so far as they relate to Revenue Officers :—

(1)	Mr. W. Maude.	
(2)	„ R. Nathan ...	Deputy Collector.
(3)	„ C. A. Radice ...	Assistant ditto.
(4)	„ S. L. Maddox ...	Deputy ditto.
(5)	„ Bairoda Charan Mitra ...	Ditto ditto.
(6)	„ Ambica Charan Sen ...	Ditto ditto.
(7)	Babu Jamini Mohan Das ...	Ditto ditto.
(8)	„ Haris Chandra Rai ...	Officiating Deputy Collector.
(9)	„ Chandra Nath Ghose ...	Ditto ditto.
(10)	„ Chaku Lal Sircar ...	Special Deputy Collector.
(11)	„ Mohendra Nath Seal ...	Ditto ditto.
(12)	Mr. James Taylor.	
(13)	Babu Prosanna Kumar Banerji ...	Sub-Deputy Collector.
(14)	„ Akhoy Kumar Sen ...	Ditto ditto.
(15)	„ Grish Chunder Dutt ...	Ditto ditto.
(16)	„ Nishi Kanto Chatterji ...	Ditto ditto.
(17)	„ Jotendro Mohan Sinha ...	Ditto ditto.
(18)	„ Abhoy Prasad Das ...	Ditto ditto.
(19)	„ Amrita Lal Gupta ...	Ditto ditto.
(20)	„ Upendra Chandra Mukherji. ...	Ditto ditto.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.—No. 99L.R.

*The 10th January 1893.*—For the purpose of carrying out the survey of the land benefited by the Rajapur Drainage scheme in accordance with the orders contained in Notification No. 1561L.R., dated the 18th April 1892, under section 3 of Act V (B.C.) of 1875, the Lieutenant-Governor appoints the following officers, under section 4 of the said Act, to be Assistant Superintendents of Survey :—

- (1) Babu Ashootosh Chatterjee, Sub-Deputy Collector, Hooghly.
- (2) Babu Upendra Nath Ghose, Sub-Deputy Collector, Howrah.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.—No. 100L.R.

*The 10th January 1893.*—Babu Sasi Mohan Talukdar, Sub-Deputy Collector, is hereby appointed to be a Revenue Officer under the provisions of the Bengal Tenancy Act, and to be an Assistant Settlement Officer under Rule 1, Chapter VI of the Rules framed under the said Act. He is ~~also~~ vested with the powers of an Assistant Superintendent of Survey in the same district under section 4 of Act V (B.C.) of 1875.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.—No. 132L.R.

*The 10th January 1893.*—Under the powers conferred upon him by section 101 (1) of the Bengal Tenancy Act VIII of 1885, and with the previous sanction of the Governor-General in Council, the Lieutenant-Governor is pleased to order that a survey shall be made and a record of rights prepared in respect of all lands included within the external boundaries of Tappa Sugaon in the district of Champaran.

The particulars to be recorded in the survey and record of rights shall be the following:—

The name of each proprietor with the character and extent of his interest.

The situation, quantity and boundaries of proprietor's private lands, as defined in Chapter XI of the Act.

The name of each tenant.

The class to which he belongs, that is to say, whether he is a tenure-holder, raiyat holding at fixed rates, occupancy raiyat, non-occupancy raiyat or under-raiyat, and if he is a tenure-holder, whether he is a permanent tenure-holder or not, and whether his rent is liable to enhancement during the continuance of his tenure.

The situation, quantity and boundaries of the land held by him.

The name of his landlord.

The rent payable.

The mode in which that rent has been fixed, whether by contract, by order of a court, or otherwise.

If the rent is a gradually increasing rent, the time at which, and the steps by which, it increases.

The special conditions and incidents, if any, of the tenancy.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## DECLARATION.—No. 109L.R.

*The 10th January 1893.*—Whereas it appears to the Lieutenant-Governor of Bengal that land is required to be taken by Government at the public expense for a public purpose, viz., for the post office at Gopalganj in the village of Khotra, pargana Mokimpur, zilla Faridpur, it is hereby declared that for the above purpose a piece of land measuring, more or less, 1 bigha, 5 cottahs, 4 dhooors of standard measurement, bounded on the North by the Jote land of Sristidhar Roy, East by the Jote land of Madon Roy, South by the Jote land of Harmohon Roy, West by the Jote land of Kailas Roy and mission house, is required within the aforesaid village of Khotra.

This declaration is made, under the provisions of section 6 of Act X of 1870, to all whom it may concern.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.—No. 78.

*The 10th January 1893.*—Under clause 2 of section 14 of the Indian Emigration Act XXI of 1883, the Lieutenant-Governor is pleased to declare his approval of the appointment of Mons. Pierre Charriol to be Emigration Agent at Calcutta for the French Colonies, *circa* Mons. Emile Charriol.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.—No. 107S.R.

*The 5th January 1893.*—In exercise of the powers conferred by section 55 of the Indian Stamp Act (I of 1879), the Lieutenant-Governor is pleased to make the following amendment in the rules made under that section and published under notification, dated the 25th April 1881, at pages 462-63, Part I, of the *Calcutta Gazette*, dated the 27th idem:—

"In Rule 10, after the word 'write' in the first line, the words 'at the time of sale' shall be inserted."

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.—No. 109S.R.

*The 5th January 1893.*—In exercise of the powers conferred on him by section 27 of the Court-fees Act VII of 1870, and on the recommendation of the Board of Revenue, the Lieutenant-Governor is pleased to make the following amendment in the rules made under that section and published under notification, dated the 26th June 1883, at page 572, Part I, of the *Calcutta Gazette*, dated the 4th July 1883:—

"In Rule 11, after the word 'write' in the first line, the words 'at the time of sale' shall be inserted."

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

### THE ELLIOTT PRIZE FOR SCIENTIFIC RESEARCH.

With reference to notification No. 5058F in the *Calcutta Gazette* of the 28th December 1892, Part I, page 1172, the prize for scientific research will be given this year to the author of the best original essay giving the results of original research or investigation in "Mathematics" composed during the year 1893.

Any native of Bengal, including any Eurasian or domiciled European re-iding in Bengal, may compete for the prize.

The essays of competitors must be sent in to the President, Asiatic Society, by the end of December this year. The prize will be adjudged to the best competitor and awarded publicly at the annual general meeting of the Asiatic Society in February 1894.

Preference will be given to researches leading to discoveries likely to develop the industrial resources of Bengal. In the case of no essay being deemed by the Trusters to be of sufficient merit, no prize to be awarded, but the amount to be retained, so that in any future year two or more prizes may be given, or the prize enhanced in the case of an exceptionally good essay.

ALEX. PEDLER }  
J. Q. PIGOT } Trustees.  
C. A. MARTIN }

### MEDICAL DEPARTMENT.

*No. 33.Med.*—*The 5th January 1893.*—Surgeon-Captain J. B. Gibbons is appointed to be Resident Physician, Medical College Hospital, and Professor of Pathology, Medical College, Calcutta, with effect from the date on which he returns from furlough.

*No. 34.Med.*—*The 5th January 1893.*—Surgeon-Captain D. M. Moir, Officiating Resident Surgeon, Medical College Hospital, is confirmed in that appointment.

*No. 35.Med.*—*The 5th January 1893.*—Assistant Apothecary M. E. Mungavin, Officiating Deputy Superintendent of the Dullunda Lunatic Asylum, is appointed to be Resident Medical Officer, Eden Sanitarium, Darjeeling.

*No. 36.Med.*—*The 5th January 1893.*—Assistant Apothecary G. T. Milchem, Resident Medical Officer, Eden Sanitarium, Darjeeling, is appointed to be House Surgeon of the Howrah General Hospital.

*No. 37.Med.*—*The 5th January 1893.*—Apothecary G. Gill, Officiating House Surgeon, Howrah General Hospital, is appointed to be Deputy Superintendent of the Dullunda Lunatic Asylum.

*No. 38.Med.*—*The 5th January 1893.*—Dr. C. Banks, Officiating Civil Medical Officer, Monghyr, is appointed to act as Civil Medical Officer of Khulna.

*No. 39.Med.*—*The 5th January 1893.*—Surgeon-Captain C. R. M. Green, Officiating Resident Surgeon, Eden Hospital, is appointed to act as Civil Surgeon of Monghyr.

*No. 40.Med.*—*The 5th January 1893.*—Dr. V. L. Watts, Officiating Civil Medical Officer, Madua, is appointed to have medical charge of the South Lushai Hills district.

*No. 41.Med.*—*The 5th January 1893.*—Surgeon-Major T. R. Macdonald is appointed to be Deputy Sanitary Commissioner of the Western Bengal Circle.

*No. 42.Med.*—*The 5th January 1893.*—Apothecary W. A. Williams, Officiating Civil Medical Officer, Balasore, is confirmed in that appointment.

*No. 43.Med.*—*The 5th January 1893.*—Surgeon-Captain J. T. Calvert, Officiating Civil Surgeon of Chittagong, is appointed to act as Civil Surgeon of Mymensingh, during the absence, on deputation, of Surgeon-Major Dhurma Das Basu, or until further orders.

*No. 44.Med.*—*The 5th January 1893.*—Surgeon-Lieutenant-Colonel W. F. Murray is appointed to be Civil Surgeon of Chittagong, with effect from the date on which he returns from furlough.

*No. 96.Med.*—*The 6th January 1893.*—Assistant Surgeon Benode Bohari Das held medical charge of the Civil station of Balasore from the forenoon of the 17th August 1892 to the forenoon of the 26th November 1892.

*No. 108.Med.*—*The 8th January 1893.*—Assistant Surgeon Nrito Gopal Mitra, of the Arrah Dispensary, held medical charge of the Civil station of Shahabad from the forenoon of the 8th December to the forenoon of the 20th December 1892, in addition to his own duties.

*No. 150.Med.*—*The 9th January 1893.*—Honorary Surgeon C. L. Fox is appointed to have medical charge of the Demagri outpost in the South Lushai Hills district.

*No. 145.Med.*—*The 10th January 1893.*—Assistant Surgeon Sayyed Odentoollah, of the Hooghly Emambarah Hospital, held medical charge of the Civil station of Hooghly, in addition to his own duties, from the forenoon of the 12th July 1892 to the forenoon of the 9th November 1892, and from the forenoon of the 12th to the forenoon of the 16th November 1892.

H. H. RISLEY,  
Secy. to the Govt. of Bengal.

## JUDICIAL DEPARTMENT.

## No. 4A.

*The 3rd January 1893.*—Babu Kelly Charan Ghosal, Subordinate Judge of Murshidabad, is vested with the powers of a Munsif for the trial of cases cognizable by a court of first instance up to the value of Rs. 1,000 within the limits of the Berhampore Munsifi.

*The 5th January 1893.*—Under the authority vested in him by the final clause of section 357 of the Code of Criminal Procedure, Act X of 1882, the Lieutenant-Governor empowers the following Honorary Magistrates attached to the Uluberia Bench, in the district of Howrah, to take down evidence in criminal cases in the English language:—

Babu Ram Prosanna Roy.  
 „ Joy Kali Chakravarty.  
 Maulvi Sanghat Ali.

Babu Ananda Gopal Mukherjee.  
 „ Dwarka Nath Chakravarti.  
 „ Tin Cowri Ghose.

Babu Negendra Nath Mitter, M.A., B.L., is appointed to act as a Munsif in the district of Jessore, to be ordinarily stationed at Bangaon, but to be on deputation at Bagirhat in the same district, during the absence, on leave, of Babu Ram Lal Dass, or until further orders.

Babu Amrit Lal Palit, B.L., is appointed to act as a Munsif in the district of Backergunge, to be ordinarily stationed at Barisal, during the absence, on leave, of Babu Brojesh Chandra Sinha, or until further order.

*The 6th January 1893.*—The Lieutenant-Governor accepts the resignation tendered by Babu Ananda Mohan Roy Chaudhuri of his appointment as an Honorary Magistrate of the Brahmanbaria Bench, in the district of Tippera.

Babu Bidhubhusan Banerjee, Munsif of Palaman, is vested with the powers of a Magistrate of the second class.

*The 7th January 1893.*—Babu Amrita Lal Chatterjee, Subordinate Judge of Tirhut, is allowed leave for two months-and-a-half, viz., eleven days under article 369 of the Civil Service Regulations, and the remaining period under article 36 (b) of the same Regulations, with effect from the 15th January 1893, or from any subsequent date on which he may be relieved.

Babu Nagendra Nath Chatterjee, B.L., is appointed to act as an Additional Munsif in the district of Chittagong, to be ordinarily stationed at Patiya and Anwara, but to be on deputation at Patiya, during the absence, on leave, of Babu Bankim Chandra Mitra, or until further orders.

Babu Brojo Mohun Prasad, Munsif of Muzaffarpur, in the district of Tirhut, is appointed to act as a Subordinate Judge in the same district, during the absence, on leave, of Babu Amrita Lal Chatterji, or until further orders.

Babu Jadu Nath Das, Subordinate Judge of Tirhut, is vested temporarily with the powers of a Court under clause 6, section 3 of the Land Acquisition Act X of 1870, during the absence, on leave, of Babu Amrita Lal Chatterji, or until further orders.

Mr. Charles Arratoon Owen Temple Gregory (Barrister-at-Law), is appointed to act as a Munsif in the district of Tirhut, to be ordinarily stationed at Muzaffarpur, during the absence, on deputation, of Babu Brojo Mohun Prasad, or until further orders.

Under the authority vested in him by the final clause of section 357 of the Code of Criminal Procedure, Act X of 1882, the Lieutenant-Governor empowers the undermentioned gentlemen attached to the Howrah Bench to take down evidence in criminal cases in the English language:—

Babu Amrita Lal Pain.  
 „ Narsingh Dutt.  
 „ Mahendra Nath Rai.  
 „ Ram Das Moitra.  
 „ Unesh Chandra Banerjee.  
 „ Dinabandhu Datta.  
 „ Amrita Lal Deb.  
 „ Pramatha Nath Das.  
 Mr. Haran Chandra De.  
 „ K. J. Guzdar.  
 Babu Sib Chandra Mullick.  
 Rai Raj Kumar Sen, Bahadur.

Babu Dinanath Chatterjee.  
 „ Gurus Charan Rai Chowdhuri.  
 „ Hari Mohan Bose.  
 Mr. Jagat Chandra Ganguli.  
 Babu Keshub Chandra Lahiri.  
 „ Kedar Nath Bhattacharjee.  
 „ Jogendra Nath Mukherjee.  
 „ Seo Bux Bogla.  
 Kumar Rameswar Mallia.  
 Babu Mohendra Nath Mitra.  
 „ Jogendra Nath Chatterjee.  
 „ Tara Charan Singh.

Babu Tiukori Nath Mukherjee.

Mr. Lakendranath Palit, Joint-Magistrate, Rajshahi, is vested, under section 407 of the Code of Criminal Procedure, with power to hear appeals from convictions by Magistrates of the second and third classes.

*The 5th January 1893.*—Maulvi Sayid Moazzum Hossein Chaudhuri is appointed to be an Honorary Magistrate of the Independent Bench at Bogra, in the district of Bogra, and is vested with the powers of a Magistrate of the third class.

*The 10th January 1893.*—Babu Sukumar Bhattacharjee, M.A., B.L., is appointed to act as Munsif in the district of Jessore, to be ordinarily stationed at Jhenidah, during the absence, on leave, of Babu Jogendro Nath Mukherjee, or until further orders, with effect from the date on which he joined his appointment.

Babu Rajani Nath Chatterji, Deputy Magistrate and Deputy Collector, Kushtia, Nadia, is vested with power to try summarily the offences mentioned in section 260 of the Code of Criminal Procedure.

Babu Narendra Kumar Ghose, Officiating Sub-Deputy Collector, Godda, Sonthal Parganas, is vested with the powers of a Magistrate of the third class.

The following Honorary Magistrates of the Howrah Bench are vested with the powers of a Magistrate of the second class:—

Mr. Haran Chundra De, L.M.S.

Dr. R. N. Burgess.

Babu Ram Das Moitra.

„ Hori Mohun Bose

„ Amrita Lal Pain, B.A., B.L.

Babu Nara Singha Dutt, R.A., B.L.

„ Amrita Lal Deb, L.M.S.

Mr. Jagut Chandra Ganguli.

„ A. B. Langham.

Babu Dina Nath Chatterjee.

Babu Umesh Chandra Banerjee.

Mr. A. F. Steinberg, Joint-Magistrate and Deputy Collector, Lohardaga, is vested, under section 407 of the Code of Criminal Procedure, with power to hear appeals from convictions by Magistrates of the second and third classes.

**GRANT OF LEAVE TO MUNSIFS.**—*The 3rd January 1893.*—Babu Ram Lal Das, Additional Munsif of Bagerhat, in the district of Jessore, is allowed leave for one month and a half, under article 372 of the Civil Service Regulations, without allowances, with effect from the date on which he is relieved.

Babu Brojesh Chandra Sinha, Munsif of Barisal, in the district of Backergunge, is allowed leave for twenty-seven days, under article 306(b) of the Civil Service Regulations, with effect from the 16th instant, or from the date on which he is relieved.

*The 4th January 1893.*—Babu Syam Kisore Bose, Munsif of Tamluk, in the district of Midnapore, is allowed leave for forty-four days, viz., ten days under article 309 of the Civil Service Regulations, and the remaining period under article 306(b) of the same Regulations, with effect from the 20th September to the 2nd November 1892, both days inclusive, in supersession of the leave granted to him on the 1st November 1892.

*The 5th January 1893.*—Babu Bankim Chandra Mitra, Additional Munsif of Patiya and Anwara, on deputation at Patiya, in the district of Chittagong, is allowed leave for thirty-five days, under article 309 of the Civil Service Regulations, with effect from the 16th instant, or from the date on which he is relieved.

*The 6th January 1893.*—Babu Mohendra Lal Ghose, Munsif of Azimganj, in the district of Murshidabad, is allowed leave for twelve days, under article 306(b) of the Civil Service Regulations, with effect from the 14th instant, or from the date on which he is relieved.

Babu Saroda Prosad Bose, Munsif of Bhanga, in the district of Faridpur, is allowed leave for twenty-five days, under article 306(b) of the Civil Service Regulations, in extension of that granted to him on the 29th October 1892.

**ERRATUM.**—*The 6th January 1893.*—In the order of this Government, dated the 19th December 1892, appointing Babu Jaya Prosad Pandey to act as a Munsif in the district of Bhagalpur, to be ordinarily stationed at Jamui, for “Jamui” read “Banka.”

H. J. S. COTTON,  
Chief Secy. to the Govt. of Bengal.

*The 10th January 1893.*—The following notification by the Government of India, in the Home Department, is republished for general information.

H. J. S. COTTON,  
Chief Secy. to the Govt. of Bengal.

No. 2340, dated Calcutta, the 22nd December 1892.

**NOTIFICATION**—By the Government of India, Home Department.

In accordance with the provisions of section 18, sub-section (1) of the Indian Explosives Act IV of 1884, and with the directions contained in Home Department Notification No. 1964, dated 2nd September 1887, the Governor-General in Council is pleased to publish, for general information, the following draft rule which he proposes to substitute for the rule as to the fee to be charged for licenses to possess explosives, which was published in Home Department Notification No. 1989, dated the 25th July 1888.

The draft will be taken into consideration on the expiry of two months from the date of this notification.

*Draft Rule.*

No fee shall be charged for licenses granted to contractors, cultivators or other persons to possess gunpowder, fuses or other explosives in reasonable quantities when the same are proved to the satisfaction of the officer granting the license to be required *bono fide* in the case of licenses granted to contractors for blasting purposes, and in the case of licenses granted to cultivators or other persons, for blasting purposes in connection with agricultural works or works of public utility.

## NOTIFICATION.

*The 10th January 1893.*—Under the provisions of section 5 of the Indian Registration Act III of 1877, the Lieutenant-Governor sanctions the establishment of two new rural sub-registry offices in the district of Bogra, one at Sherpur, having jurisdiction over thana Sherpur and the independent outpost of Dhunat, and the other at Khanjanpur, with jurisdiction over thanas Khetlal, Panchibibi and Nawabganj and thana Adamdighi, with the exception of the outpost of Dupchachya which is subordinate to it. The registration sub-district of Bogra will henceforth be restricted to thana Bogra including the outpost of Dupchachya which is subordinate to thana Adamdighi, and thanas Sariya Kandi and Shibganj. This notification will take effect on and from the 1st February 1893.

H. J. S. COTTON,  
*Chief Secy. to the Govt. of Bengal.*

## PUBLIC WORKS DEPARTMENT,—BENGAL.

## COMMUNICATIONS.

*Dated Calcutta, the 10th January 1893.*

No. 7.—*Notification*—In accordance with the requirement of section 50 of Act X of 1870 of the Government of India, the following is published for information.

F. J. JOHNSTONE,  
*Secy. to the Govt. of Bengal.*

MEMORANDUM OF AGREEMENT made and entered into this twenty-sixth day of April one thousand eight hundred and ninety-two between THE BENGAL PROVINCIAL RAILWAY COMPANY LIMITED (hereinafter called the Company) of the one part and the SECRETARY OF STATE FOR INDIA IN COUNCIL (hereinafter called the Secretary of State) of the other part. WHEREAS by order of the Government of Bengal acting in the premises for and on behalf of the Secretary of State published in the *Calcutta Gazette* of the twentieth day of January one thousand eight hundred and ninety-two and being notification No. 14 the Company have been empowered to make a tramway Tarkeswar and Mugra both in the district of Hooghly upon the gauge and in the manner described and in accordance with the provisions contained in the schedule thereto annexed and marked A and a copy of the agreement entered into between the Promoters and the Local Authority under the provisions of the Bengal Tramways Act 1883 is set out in the Schedule B annexed to the said order and WHEREAS the Company in pursuance of the provisions of Schedule A of the said order have applied to the Government of Bengal for the acquisition by the Government for the Company under the provisions of the Land Acquisition Act X of 1870 of such land as is required for the Tramway and the Government of Bengal in pursuance of section 49 of the said Act X of 1870 have accordingly called upon the Company to enter into such agreement with the Secretary of State as is hereinafter contained. Now these present witness that it is hereby mutually covenanted between and by the said parties hereto for themselves their successors and assigns in manner following that is to say—

1. The Company shall pay to the Government of Bengal before the land is transferred to the Company the cost of the said land and all proper costs of the acquisition proceedings including the costs of any references and appeals to court the fees of assessors and the charges for the necessary establishment (an estimate of the charges of establishment which is only to be treated as an approximate estimate and not as limiting the powers of the Secretary of State his successors or assigns to employ a larger establishment if found necessary being hereto annexed by way of schedule and marked A) and the Company shall by way of securing such payment and immediately upon the amount being made known to them deposit with the Government of Bengal the amount that may be estimated by the Collector or Officer to be appointed under Act X of 1870 to make the acquisition as the cost of the land and the costs of the said proceedings and the Government of Bengal shall use and apply the moneys so deposited in paying and satisfying the same costs and the Company shall from time to time deposit such further sum as may be required by the Collector to bring the amount in deposit up to the estimated costs of the land and of the acquisition proceedings.

2. On payment or satisfaction in full by application of the moneys deposited of the cost of such land and the proper costs of the acquisition proceedings and by payment of any balance remaining unsatisfied after such application the land shall at the cost of the Company be conveyed and transferred to the Company by the Secretary of State.

3. The land shall be held by the Company subject to all the terms and provisions set out in Schedules A and B of the above recited order and the time within which and the conditions on which the work of constructing and making the said tramway are to be executed and maintained shall be the time and the conditions prescribed in the said order and the said Schedules A and B thereto and the terms on which the public shall be entitled to use the work shall be those set out in the said Schedule A the Company hereby agreeing with and to the Secretary of State that this agreement shall take effect in all respects as if the terms provisions and conditions referred to in this clause had been particularly set out at length in this agreement in place of being incorporated herein by reference to the said order and the schedules thereto respectively.

IN WITNESS WHEREOF the said parties to these presents have hereto set their hands and seals the day and year first above written.

THE COMMON SEAL of the abovesaid Bengal Provincial Railway Company Limited was hereto affixed in the presence of—

AMRITA LAL ROY,  
Secretary.

PEARY MOHUN MOOKERJEE,  
BROJMONATH SEN,  
JANKI NATH ROY,  
CHUNDI LAL SINHA,  
KANAI LAL KHAN, } Directors.

SIGNED SEALED AND DELIVERED by—

F. J. JOHNSTONE,

Secretary to the Government of Bengal, in the Public Works Department, for the Honorable The Lieutenant-Governor of Bengal, acting in the premises for and on behalf of the Secretary of State for India in Council in the presence of—

W. BANKS GWYTHER, F. J. JOHNSTONE,  
Under-Secy. to the Govt. of Bengal, P. W. Dept. Secy. to the Govt. of Bengal, P. W. Dept.  
ALFRED BAKER,  
Chief Clerk, P. W. Dept.  
The 26th April 1892.

#### SCHEDULE A.

Approximate scale of establishment charges for the Acquisition of land for the Tarkiswar-Mugra Steam Tramway.

OFFICERS.	Rupees.	Total.
1 Sub-Deputy Collector ... ..	150	Rs.
Travelling allowance ... ..	50	
<i>Office Establishment.</i>		200
1 Head Clerk and Sarishtadar ... ..	40	
1 Second Clerk ... ..	30	
1 Head Muharrir ... ..	25	
1 Second Muharrir ... ..	20	
1 Draftsman ... ..	40	
4 Peons at Rs. 7 each ... ..	28	
<i>Field Establishment.</i>		183
2 Amins at Rs. 25 each ... ..	50	
4 Chainmen at Rs. 7 each ... ..	28	
		78
Travelling allowance of office and field establishment ... ..	30	
		30
Contingencies ... ..	5	
		5
Total expenditure for one month ... ..	.....	496
Total for the year say ... ..	.....	6,000

(Rupees six thousand only.)

PEARY MOHUN MOOKERJEE,  
BROJMO NATH SEN,  
JANKI NATH ROY,  
CHUNDI LAL SINHA,  
KANAI LAL KHAN, } Directors.

Witness :

AMRITA LAL ROY,  
Secretary.

The 27th April 1892.

## ESTABLISHMENT.

The 7th January 1893.

No. 4.—With reference to Notification No. 345, of the 10th December 1892, Mr. G. J. St. C. Sedgley, Assistant Engineer, is posted to the Mahanadi Division.

## IRRIGATION.

The 10th January 1893.

No. 8.—*Notification*.—Whereas it appears to the Lieutenant-Governor of Bengal that the Gobri river, commencing from mauza Gajrajpur at outfall of Gobri drainage channel and passing through mauzas Debidole, Noagang, Gundhun, Gonali, Sadhukuntie, Gopalpur, Haripur, Patna, Chunderpur, Ubdulpur, Narseemah, Murrah, Bans, Hookee Tentooa, in pargana Kayte and mauza Darickee, in pargana Banahar, and till it joins the Daib river, should be maintained as a continuous natural drainage channel, it is hereby notified that, from and after the date of the publication of this notice, the following bunds will be removed, and the formation of any bunds or other obstructions to free passage of drainage water within the whole length of the channel now declared as a natural drainage course will not be permitted:—

Name of bunds obstructing the drainage.	Name of mauza in which bunds situated.	Pargana in which situated.	Name of owners of bunds to be removed.
Gajrajpur ...	Gajrajpur ...	Kayte and Banahar—	Kannu Chander Chowdhuri.
Noagang ...	Noagang ...	Kayte ...	Ditto.
Gundhun ...	Gundhun ...	Do. ...	Parkhit Dass.
Ditto ...	Ditto ...	Do. ...	Ditto.
Gopalpur, 1st ...	Gopalpur, 1st ...	Do. ...	Jogendra Kanungo.
Ditto, 2nd ...	Ditto 2nd ...	Do. ...	Ditto.
Ditto, 3rd ...	Ditto 3rd ...	Do. ...	Ditto.
Moogy ...	Moogy or Gopalpur ...	Do. ....	Ditto.
Haripur ...	Haripur ...	Kayte ...	Ditto.
Chondospur ...	Chondospur ...	Banahar ...	Ditto.
Chandkha ...	Chandkha Patna ...	Kayte ...	Kripasindhu Kanungo.
Ditto, 2nd ..	Ditto ...	Do. ...	Goonidhi Sahoo.
Abdulpatna, 1st ...	Abdulpur ...	Do. ...	Kripasindhu Kanungo.
Ditto, 2nd ...	Ditto ...	Do. ...	Ditto.
Ditto, 3rd ...	Ditto ...	Do. ...	Ditto.
Ditto, 4th ...	Ditto ...	Do. ...	Ditto.
Nowgah ...	Nowgah ...	Banahar ...	Ditto.
Chandpoora, 1st ...	Chandpoora ...	Kayte ...	Ditto.
Ditto, 2nd ...	Ditto ...	Do. ...	Ditto.
Bans, 1st ...	Bans ...	Do. ...	Ditto.
Do. 2nd ...	Do. ...	Do. ...	Ditto.
Balypatna ...	Balypatna ...	Do. ...	Beno Kishore Mahanty.
Bondomunda, 1st ...	Boremundah ...	Do. ...	Ditto.
Ditto, 2nd ...	Ditto ...	Do. ....	Ditto.

This notification is made, under the provisions of section 40 of the Bengal Irrigation Act III of 1876, to all whom it may concern, and cancels notification No. 332, dated 28th November 1892, which was published at page 1064, Part I of the *Calcutta Gazette* of the 30th idem.

C. W. OLLING,  
Joint-Secy. to the Govt. of Bengal.

## IRRIGATION.

The 9th January 1893.

No. 5.—*Notification*.—Notice is hereby given that the Sone Canals will probably be closed on the dates mentioned below:—

The Main Eastern and Patna Canal from 20th April to 10th June 1893.

The Main Western Series from 14th to 26th May 1893.

The 10th January 1893.

No. 6.—*Notification*.—It is hereby notified that the Bhangore Khal from 61 B. M. at 18th mile to 80 B. M. at 21st mile on the Eastern Canals will be closed to traffic for six weeks from the 8th February 1893 for silt clearance.

G. C. MACONCHY,  
Under-Secy. to the Govt. of Bengal.



## JAIL DEPARTMENT.

No. 13583, dated 31st December 1892.—Mr. F. L. Halliday made over charge of the Presidency Jail to Mr. P. Donaldson on the forenoon of the 26th December 1892.

A. D. LARYMORE,  
For Inap.-Genl. of Jails, Bengal.

## HIGH COURT NOTICES.

## NOTIFICATION.

The following list of days to be observed in the year 1893 as close holidays in the Subordinate Civil Courts has been prepared and is published by the High Court of Judicature at Fort William in Bengal in the exercise of the power vested in it by section 15 of Act XII of 1847.

Names of holidays.	English date.	Bengali date.	Days of the week.	Number of days.	REMARKS.
New Year's day and the two days following. Uttayan Sankranti (a)	Jan. 1st to 3rd .. 12th	Pous (1299) 15th to 20th .. .. 20th	Sunday to Tuesday Thursday	3 days 1 day	(a) This holiday is to be observed in the district of Sylhet only, instead of Dashahara Ganga Snan.
Basant Panchami	.. 22nd and 23rd	Magha .. 10th and 11th	Sunday and Monday	2 days	
Shiva Ratri	Feb. 19th and 15th	Falgun .. 4th and 5th	Tuesday and Wednesday	2 ..	
Dola Jatra and the day following.	Mar. 2nd and 3rd	.. .. 29th and 31st	Thursday and Friday	2 ..	
Shub-e-Barat (b)	.. 4th	.. .. 22nd	Saturday	1 day	(b) If the moon be visible on the 17th of February then the Courts will be closed on the 3rd of March.
Baruni Ganga Snan (c)	.. 16th	Chaitra .. 4th	Thursday	1 ..	(c) This holiday is not to be observed in the district of Dacca.
Ashani or Brahmaputra Snan (d)	.. 25th	.. .. 19th	Saturday	1 ..	(d) This holiday is to be observed in the district of Dacca only, instead of Baruni Ganga Snan.
Sri Ram Nobani Good Friday and the day following.	.. 20th .. 31st and April 1st	.. .. 14th .. .. 19th and 20th	Sunday Friday and Saturday	1 .. 2 days	
Maha Bishub Sankranti Bengali New Year's day (e)	April 12th .. 13th	.. .. 31st Baisack (1300) 1st	Wednesday Thursday	1 day 1 ..	(e) This holiday is to be observed in the district of Chittagong only, instead of Dashahara Ganga Snan.
Eid-ul-Fitr (f)	.. 19th and 20th	.. .. 7th and 8th	Wednesday and Thursday	2 days	(f) If the moon be visible on the 15th of April then the Courts will be closed on the 18th and 19th of April.
Day after the Eclipse of the moon.	May 1st	.. .. 19th	Monday	1 day	
Queen-Empress birthday.	.. 24th	Jaistha .. 11th	Wednesday	1 ..	
Dashahara Ganga Snan (g)	.. 25th	.. .. 12th	Thursday	1 ..	(g) 1. Ras Purnima (vide supra) is to be observed in Orissa, instead of this day. 2. Uttayan Sankranti (vide supra) is to be observed in the district of Sylhet, instead of this day. 3. The 1st of Baisack of the Bengali year is to be observed in the district of Chittagong instead of this day.
Eid-ul-Zohra (h)	June 26th and 27th	Asar .. 18th and 19th	Monday and Tuesday	2 days	(h) If the moon be visible on the 15th of June then the Courts will be closed on the 25th and 26th of June.
Rath Jatra (i)	July 15th	.. .. 32nd	Saturday	1 day	(i) This holiday is not to be observed in the districts of Bhagalpur, Gaya, Patna, Saran, Shahabad, and Tirhut.
Moharrum, including Ulta Rath (j)	.. 21st to 25th	Shrabon .. 6th to 10th	Friday to Tuesday	5 days	(j) If the moon be visible on the 14th of July then the Courts will be closed from the 20th to 24th July.
Moharrum Purnima (k)	August 15th	.. .. 31st	Tuesday	1 day	(k) This holiday is to be observed in the district of Sylhet only, instead of Ulta Rath.
Asson Ashwin	Sept. 3rd and 4th	Bhadra .. 19th and 20th	Sunday and Monday	2 days	
Akshai Chatur Sauri	.. 6th	.. .. 22nd	Wednesday	1 day	
Patcha Pous Dahum (l)	.. 23rd	.. .. 8th	Saturday	1 ..	(l) If the moon be not visible on the 11th of September then the Courts will be closed on the 24th of September.
Dussehra vacation, including Mahanav, Durga, Laskhi, and Kali Pans, and Bhadrakali (m)	Oct. 9th to Nov. 19th	.. .. 24th to Kartick 20th	Monday to Friday	33 days	
Kartick Puja	Nov. 14th and 15th	Kartick .. 20th and 21st	Tuesday and Wednesday	2 ..	
Jagadishwari Puja (n)	.. 18th and 19th	.. .. 4th and 5th	Saturday and Sunday	2 ..	(m) This holiday is not to be observed in the districts of Bhagalpur, Gaya, Patna, Saran, Shahabad, and Tirhut.
Chatter Mela (o)	.. 21st to 27th	Kartick (1301 F) 27th to 31st to Ashwin 4th, corresponding with Ashwin (1300 B.) 7th to 13th	Tuesday to Monday	7 ..	(n) This holiday is to be observed in the districts of Bhagalpur, Gaya, Patna, Saran, Shahabad, and Tirhut only.
Ras Purnima (o)	.. 23rd	Ashwin (1300) 9th	Thursday	1 day	(o) This holiday is to be observed in the district of Orissa only, instead of Dashahara Ganga Snan.
Christmas day and two days before and two days after.	Dec. 25th to 27th	Pous .. 9th to 11th	Saturday to Wednesday	5 days	

## NOTIFICATION.

*The 5th January 1893.*

The following rule framed by the High Court of Judicature at Fort William in Bengal, under section 2 of the Destruction of Records Act (III of 1879), confirmed by the Lieutenant-Governor of Bengal and the Chief Commissioner of Assam, and sanctioned by the Governor-General in Council under section 5 of the same Act, is hereby published as required by the last-mentioned section.

By order of the High Court,  
H. W. C. CARNDUFF, *Registrar.*

*Rule.*

The rules for the arrangement, classification, preservation and destruction of the records of Civil Proceedings, promulgated with Circular Order No. 7, dated the 2nd June 1890, were declared to take effect from the 1st January 1891, and are therefore generally inapplicable to the records of cases instituted before that date. They may, however, at the discretion of the High Court and subject to such modifications as may be necessary in particular instances, be made applicable, so far as may be deemed suitable, to the records of older cases.

## Dates of Criminal Sessions for the year 1893.

Number of Sessions.				Day of the week.		Date.	
First	Sessions	...	...	Monday	...	February	20th.
Second	„	...	...	Ditto	...	May	1st.
Third	„	...	...	Ditto	...	July	10th.

Dates of the Fourth and Fifth Sessions will be notified hereafter.

By order,  
J. G. ARCAR, *Clerk of the Crown.*

High Court, Crown Office, *the 5th January 1893.*

## Sheriff's Office, the 11th January 1893.

Notice is hereby given that the First Criminal Sessions of the year 1893 of the High Court of Judicature at Fort William in Bengal, for the Town of Calcutta and Factory of Fort William, and the places subordinate thereto, will be holden at the Court-house, in the Town of Calcutta, on Monday, the twentieth day of February next, at 11 o'clock in the forenoon, and so on from day to day, until the said Sessions be over. And it is hereby proclaimed that all persons who will prosecute any of the prisoners to be brought up for trial at the said Sessions be present then and there to prosecute.

R. D. MEHTA, *Sheriff.*

শরিক আফিস. সন ১৮৯৩ সাল তারিখ ১১ ই জানুয়ারি।

সকলকে সমাচার দেওয়া যাইতেছে যে তবে বাঙ্গালার কোর্ট উইলিয়ম দুর্গের অধীন শহর কলিকাতার ও অন্যান্য স্থানের কোর্জদারী বিচার নিপত্তা জন্য আগামী সন ১৮৯৩ সালের ২০.শ ফেব্রুয়ারি সোমবার বেলা ১১ ঘটিকার সময় এবং যে পন্যন্ত সেশিয়ানর কার্য শেষ না হয় প্রতিদিন উক্ত সময়ে কলিকাতার হাই কোর্টের আপন আদালত করে সন ১৮৯৩ সালের প্রথম জুর্মিনেল সেশিয়ান বসিবেক এবং এতদ্বারা প্রচার করা যাইতেছে যে যে সকল ব্যক্তি কোন কয়েদির বিরুদ্ধে কোর্জদারী খিসিল করিবেক তাহারা উক্ত স্থানে উক্ত সময়ে হাজির থাকিয়া মোকদ্দমা করে ইতি।

আরঃ ডিঃ মেটা. শরিক।

## SMALL CAUSE COURT NOTICE.

Notice is hereby given that, under section 7 of Act IX of 1887, the Judge of Small Cause Courts of Dacca and Munshiganj will, in the month of February next, sit in these Courts on the undermentioned dates, Sundays and holidays excepted:—

Dacca Small Cause Court ... 1st, 6th, 13th and 27th February 1893.  
Munshiganj Small Cause Court ... From 20th to 23rd February 1893.

KRISHNA MOHUN MUKERJEE, *Judge, Small Cause Court.*

DACCA SMALL CAUSE COURT, *the 4th January 1893.*

## CIVIL MEDICAL DEPARTMENT, BENGAL.

*No. 21, dated 4th January 1893.*—Assistant Surgeon Peary Lall Sen, of the Jungipore sub-division and dispensary, is allowed leave from 26th to 29th February 1892, both days inclusive, under Article 291 of the Civil Service Regulations.

J. G. PILCHER, *Surgeon-Col.*,  
*Offg. Insp.-Genl. of Civil Hospitals, Bengal.*

## TREASURY NOTICES.

UNCOVENANTED DEPUTY COLLECTOR MAULVI SYED MAHOMED has been placed in charge of the Patna Treasury, and is authorised to draw bills on other treasuries.

A. A. WACE, *Addl. Commr.*

PATNA COMMRE.'S OFFICE, BANKIPUR, *the 31st December 1892.*

UNCOVENANTED DEPUTY COLLECTOR RAHU MAHENDRA NATH GUPTA has been placed in charge of the Patna Treasury and is authorized to draw bills on other treasuries.

A. A. WACE, *Addl. Commr. of Patna.*

PATNA COMMRE.'S OFFICE, BANKIPORE, *the 20th December 1892.*

UNCOVENANTED DEPUTY COLLECTOR MAULVI MOHAMED HABIBULAH KHAN has been placed in charge of the Gaya Treasury and is authorised to draw bills on other Treasuries.

A. A. WACE, *Addl. Commr. of Patna.*

PATNA COMMRE.'S OFFICE, BANKIPORE, *the 22nd December 1892.*

## EDUCATION DEPARTMENT, BENGAL.

THE Sanskrit Title Examination will be held on Monday, the 10th *Falgun* 1299 B.S., corresponding to the 20th February 1893, and following days, instead of the first Monday in *Falgun*, on account of the "*Sivaratri Vrata*" taking place on the day following.

MAHESA CHANDRA NYAYARATNA,  
*Principal, Sanskrit College.*

### *List of Candidates who have passed the High School Examination held in November 1892.*

No.	NAME.	School.	Marks.
FIRST CLASS.		<i>Full marks</i> ...	1,000
1	Millicent Kirschner (a) ...	Doveton Institution ...	767
2	Caroline Buckley ...	La Martinière College for Girls ...	696
3	Lilian Deveria ...	St Helen's, Kurseong ...	663
4	Nina Fox ...	Darjeeling Girls' ...	635
SECOND CLASS.			
1	Mary Mumford (b) ...	La Martinière College for Girls ...	596
2	Alice Ferguson (a) ...	St. Teresa's ...	579
3	Cecilia Cornelius ...	Loretto High, Intally ...	498
The following candidate passed in all the compulsory subjects, except the Second Language, and is therefore entitled to a provisional teacher's certificate:—			
	Daisy Wight (b) ...	La Martinière College for Girls ...	545

(a) Passed also in "the Art of Teaching."  
(b) Passed also in "Botany."

*List of Candidates who have passed the Middle Scholarship Examination for European Schools, held in November 1892.*

**A.—CANDIDATES FOR SCHOLARSHIPS, *i.e.*, EUROPEAN AND EURASIAN CANDIDATES UNDER 15 YEARS OF AGE.**

Scholarships have been awarded to those candidates opposite whose names the word "Scholarship" appears in the margin, subject to satisfactory proof being given that such candidates were under 15 years of age on the 30th November 1892.

No.	NAME.	Age on 30th November 1892.	School.	MARKS OBTAINED.				REMARKS.
				English.	Arith-metic.	Remain-ing sub-jects.	Total.	
<b>FIRST CLASS.</b>								
		<b>Yrs.</b>	<b>Full marks</b> ...	<b>275</b>	<b>175</b>	<b>550</b>	<b>1 000</b>	
1	Cecil Pereira	14	St. Joseph's, Bow Bazar	238	138	410	786	Scholarship.
2	Percival Talbot	14	Ditto	211	145	386	742	Scholarship.
3	Cyril Rebeiro	14	St. Patrick's, Asansol	205	110	407	722	Scholarship.
4	Raymond Crow	13	Ditto	209	137	366	712	Scholarship.
	Isabella G. Samuells	12	Protestant European, Cut-tack.	227	138	317	712	Scholarship.
6	David Lima	14	St. Joseph's, Free	173	153	368	694	Scholarship.
7	Stella Pereira	14	Loretto Day, Dhurumtollah	172	144	349	665	Scholarship.
8	Gerald Damoy	14	St. Michael's, Coorjee	184	148	310	642	Scholarship.
9	Edward Noney	13	St. Patrick's, Asansol	166	109	355	621	
10	Arnold Johnson	14	St. Joseph's, Bow Bazar	173	109	332	611	
<b>SECOND CLASS.</b>								
1	Charles Paiva	14	St. Michael's, Coorjee	170	138	274	582	Scholarship.
2	William Simpson	13	St. Joseph's, Free	164	187	276	627	
3	Alice M. Debnam	14	Calcutta Girls'	172	111	278	561	
4	Mark D'Cruze	14	St. Joseph's, Bow Bazar	147	138	266	551	
	Jacob Goldenstein	14	St. Xavier's College	159	92	290	541	
6	Winifred M. Stark	14	Pratt Memorial	198	97	235	530	
7	James Rodgers	13	St. Michael's, Coorjee	167	117	240	524	
8	Agnes DeMonte	14	Doveton Institution	163	94	265	512	
9	Dudley Roberts	13	Calcutta Boys'	143	131	230	504	
10	Millicent Milne	14	Girls' High, Darjeeling	162	100	234	496	
11	Amy Ryper	14	Doveton Institution	187	92	212	491	
12	Charles Connolly	13	Calcutta Boys'	140	106	225	471	
13	Francis Walker	13	St. Michael's, Coorjee	149	100	218	467	
14	Henry Read	13	St. Paul's, Darjeeling	138	68	259	465	
15	Hector Eavers	14	St. Michael's, Coorjee	124	91	243	461	
16	Oswald Davidson	13	Calcutta Free	138	120	196	454	
<b>THIRD CLASS.</b>								
1	Gabriel Augustino	14	Catholic Male Orphanage	148	94	202	444	
2	Walter Cartland	13	St. Xavier's College	180	86	169	435	
3	Alexander Bell	13	Calcutta Free	131	93	210	434	
4	Constance George	13	Doveton Institution	145	78	201	424	
	Marie Stuart	14	Girls' High, Darjeeling	159	94	171	424	
	Norbert Whiter	14	St. Michael's, Coorjee	116	95	213	424	
7	Rachel Saul	14	Jewish Girls'	158	97	160	415	
8	Edgar D'Santo	14	Catholic Male Orphanage	97	116	195	408	
9	Ernest Keane	13	St. Michael's, Coorjee	120	95	179	394	
10	Lily Arathoon	14	Loretto House	132	89	170	391	
11	Alice Lewis	14	Miss O'Brien's	112	96	142	379	
12	Charles E. Wills	12	Calcutta Boys'	102	94	175	371	
13	Arthur S. Gleeson	13	Catholic Male Orphanage	112	82	169	363	
14	Alice Arden	14	Loretto House	114	89	159	362	
15	William Dunne	13	St. Xavier's College	155	67	123	345	
16	Eleanor Must	14	Girls' High, Darjeeling	137	45	136	318	
17	Edith Boilard	14	St. Joseph's Convent, Banki-pore.	145	63	107	315	
18	Mabel Miller	14	Loretto Day, Dhurumtollah	123	72	112	307	
19	Lucy Vears	14	Ditto	115	71	118	304	

B—CANDIDATES FOR CERTIFICATES, i.e., CANDIDATES WHO ARE INELIGIBLE FOR SCHOLARSHIPS ON ACCOUNT OF AGE OR NATIONALITY.

No.	NAME.	Age on 30th November 1892	School.	MARKS OBTAINED.				REMARKS.
				English.	Arith- metic.	Remain- ing subjects.	Total.	
FIRST CLASS.								
		Yrs.	Full marks	275	175	550	1000	
1	Arthur Preminger	16	St. Joseph's, Bow Bazar	234	130	397	761	
2	Emilis Clerici	15	St. Xavier's College	190	138	418	746	
3	Charles Whitham	15	Ditto	205	121	364	690	
4	Rajendro Coomar Roy	14	Ditto	188	136	299	623	
5	Albert Rogers	15	St. Patrick's, Asansol	169	138	300	607	
SECOND CLASS.								
1	John E. Kirk	16	St. Xavier's College	189	112	291	592	
2	Kathleen Kinsley	16	Calcutta Free	184	102	293	579	
3	Frank Connor	16	St. Paul's, Darjeeling	171	109	297	577	
4	Gaspard Magry	15	St. Joseph's, Bow Bazar	163	105	287	555	
5	Eva Blaker	16	Girls' High, Darjeeling	218	84	250	552	
6	Alfred Hart	15	St. Xavier's College	203	101	238	546	
7	Horace Burt	16	St. Paul's, Darjeeling	171	131	231	533	
	Edward Fox	16	St. Patrick's, Asansol	138	127	268	533	
9	Regina Galstaun	16	Calcutta Girls'	113	87	324	521	
10	Ahmed Hussain	16	Calcutta Boys'	119	130	273	522	
11	Charles McDonough	16	St. Michael's, Coorjee	188	120	203	520	
12	Edith Kirschner	15	Calcutta Girls'	179	111	223	513	
13	Blanche Swann	15	Calcutta Free	157	90	262	509	
14	Rachel Cohen	15	Miss O'Brien's	172	87	243	502	
15	Edith Ribeiro	15	Calcutta Girls'	173	123	201	498	
16	Henrietta Wollaston	15	Loretto Convent Asansol	161	94	238	496	
17	Henry Brown	16	St. Xavier's College	198	110	138	446	
18	Stanislaus Belletty	15	Ditto	151	85	227	463	
19	Bama Judah	17	Jewish Girls'	152	103	196	451	
	Henry Michael	18	St. Michael's, Coorjee	103	122	226	451	
THIRD CLASS.								
1	Henrietta Addy	17	Calcutta Girls'	111	89	216	449	
	Henry Desbruslais	17	St. Xavier's College	158	71	217	449	
3	Katherine M. Debnam	16	Calcutta Girls'	178	60	210	448	
	William A. Latimer	16	Protestant European, Cut- tack.	151	95	192	448	
5	Margaret Gupta	13	LaMartiniere College for Girls.	135	70	238	443	
6	Leonie Sanbelle	17	Convent, Chandernagore	109	73	273	455	
7	Joseph Avnall	15	St. Xavier's College	176	76	181	433	
	Alfred Bose	12	Ditto	121	90	212	426	
8	Alexander Parva	15	St. Michael's, Coorjee	152	123	171	446	
	William Serrao	15	St. Joseph's, Bow Bazar	109	82	275	466	
11	Thomas DeAlmeida	15	St. Xavier's College	174	76	172	422	
12	Helen Zorab	16	Loretto House	131	77	211	419	
13	Lilian Hudson	17	Calcutta Free	170	68	177	416	
14	Leah Judah	16	Jewish Girls'	141	84	174	402	
15	Margaret Ingels	17	Calcutta Free	173	88	133	394	
16	Elsie DaCosta	16	Ditto	130	95	168	391	
17	Mary E. Nazar	16	Ditto	104	80	203	387	
18	Mona Smith	14	Convent, Chandernagore	144	61	175	383	
19	William Sen	12	St. Xavier's College	161	64	167	392	
20	Gregory Moses	15	Ditto	128	62	132	322	
21	Walter A. Prazer	15	Calcutta Boys'	120	70	181	371	
22	Wiltred Irvine	16	St. Xavier's College	135	63	164	362	
23	Silvia de la Placa	15	Pratt Memorial	173	67	115	355	
24	Leonard Waterlow	15	St. Patrick's, Asansol	80	115	158	353	
25	Elsie Wood	16	LaMartiniere College for Girls.	113	53	178	344	
26	Herbert Blong	17	St. Xavier's College	122	53	166	341	
27	Mice Augier	15	Loretto House	116	91	153	359	
28	Harry Dhara	14	Calcutta Boys'	92	70	172	334	
29	Stanislaus Poirel	16	St. Michael's, Coorjee	72	51	175	328	
30	Philip Simmons	17	St. Xavier's College	150	49	128	327	
31	Jane Keyser	15	Loretto House	126	59	136	321	
32	Norman R. Stacey	15	Calcutta Boys'	119	78	121	318	
33	John Connell	16	Wesleyan Preparatory	129	56	127	312	
	Mabel E. Williams	19	Miss Stark's	165	49	98	312	

No.	NAME.	Age on 30th November 1892.	School.	MARKS OBTAINED.				REMARKS.
				English.	Arith- metic.	Remain- ing subjects.	Total.	
	THIRD CLASS—concl'd.	Yrs.	Full marks ...	275	175	550	1000	
35	Charles Ferdinand ...	16	Calcutta Boys' ...	88	76	147	311	
36	Rajendra Lal Sandel ...	12	Sr. Xavier's College ...	151	45	111	310	
37	Mabel Christio ...	16	Loretto Day, Dhurum- tollah.	117	79	112	309	
	Mildred E. M. King ...	14	Hampton Court Home, Darjeeling.	108	65	185	308	

H. A. BAMFORD,  
*Inspector of European Schools, Bengal.*

#### Subordinate Educational Service.

*The 5th January 1893.*—Babu Govinda Hari Dhar, Second Clerk in the office of the Inspector of Schools, Eastern Circle, and now Officiating Departmental Sub-Inspector of Schools, Dacca, is appointed to act in class VI, *vice* Babu Prasanna Kumar Mozumdar on deputation, or until further orders.

*The 6th January 1893.*—Babu Isan Chandra Ghosh, M.A., Deputy Inspector of Schools, Calcutta (class V), is allowed leave of absence for three months, under Article 291 of the Civil Service Regulations, with effect from the 15th January 1893, or such subsequent date as he may avail himself of it.

Babu Braja Syam Mazumdar, Sixth Assistant, office of the Director of Public Instruction (class VI), is appointed to act as Deputy Inspector of Schools, Calcutta, and in class V, *vice* Babu Isan Chandra Ghosh, on leave.

*The 7th January 1893.*—Babu Mahendra Lal Ghosh, Head Clerk in the office of the Inspector of a Schools, Presidency Circle (class V), is allowed leave of absence for three months, under Article 369 of the Civil Service Regulations, in extension of that granted to him under the orders of the 28th October last.

Babu Jogeswar Ghosh, Second Clerk in the office of the Inspector of Schools, Presidency Circle (class VI), is appointed to act as Head Clerk in the same office, and in class V, with effect from the 6th January 1893, *vice* Babu Mahendra Lal Ghosh on leave, or until further orders.

Babu Sri Nath Banerjee, Departmental Sub-Inspector of Schools, Jessore, is appointed to act as Second Clerk in the office of the Inspector of Schools, Presidency Circle, and in class VI, with effect from the 1st January 1893, *vice* Babu Jogeswar Ghosh, promoted, or until further orders.

C. A. MARTIN,  
*Offg. Director of Public Instruction.*

#### Examination of Candidates for Pleaderships and Mukhtearships in Mufassal Courts subordinate to the High Court.

THE next examination of candidates for Pleaderships will be held on the 15th, 16th, and 17th February next in the Senate House of the Calcutta University.

The next examination of candidates for Mukhtearships will be held at Calcutta, Patna, Dacca, Cuttack, Gauhati, and Sylhet on the same days; the examination of those candidates who have applied to be examined in Calcutta taking place in the Senate House of the Calcutta University.

The Pleaderships candidates will be examined *vice versa* only on the 15th February commencing at 10 A.M., and two papers will be set each day for them at 10 A.M. and 2 P.M., respectively, on the 16th and 17th February. Two papers will be set for the Mukhtearships candidates on the 15th February at 10 A.M. and 2 P.M., respectively, and they will be examined *vice versa* on the 16th and 17th February, commencing at 10 A.M. each day.

Under no circumstances will any candidate be admitted to the examination room after these hours.

The candidates will be required to produce at the examination extracts from the Register, which will be furnished to them by the District Judge, through whom their applications have been sent to the Board of Examiners.

No candidate will be allowed to enter the examination room with any memoranda or loose papers of any description (with the exception of the extracts above mentioned).

All writing materials will be provided with the exception of pens, which the candidates must bring with them.

HENRY T. HYDE,  
*Secy. to the Board of Examiners for Pleaderships and Mukhtearships.*

**List of Candidates who have obtained Middle Scholarships in the Rajshahi Division, 1892-93.**

**MIDDLE ENGLISH SCHOLARSHIPS.**

<i>Pabna.</i>		
Yogendra Narayan Saha	...	Sarasia M. E. School.
Mukhan Lal Saha	...	Pakuriya M. E. School.
Kedar Nath Ghosh	...	Sarasia M. E. School.
<i>Rajshahi.</i>		
Nalini Kanta Chaudhuri	...	Kasimpur M. E. School.
<i>Rangpur.</i>		
Srimanta Sarkar	...	Kailas Ranjan M. E. School.
Surendra Nath Guha	...	Kurigram M. E. School.
Lalit Chandra Guha	...	Ditto.
Lalit Chandra Chaki	...	Haripur M. E. School.
Mahmuddin Ahmad	...	Kailas Ranjan M. E. School.
Asanuddin Sekh	...	Gopalpur M. E. School.

**MIDDLE VERNACULAR SCHOLARSHIPS.**

<i>Bogra.</i>		
Asmatulla Sekh	...	Bogra Model School.
Kuzem Ali Khondkar	...	Ditto.
Sadarat Ali Miya	...	Khetlal M. V. School.
Kalimuddin Mandal	...	Madla M. E. School.
<i>Dinajpur.</i>		
Satie Chandra Ghosh	...	Dinajpur Municipal Model School.
Naba Kumar Kundu	...	Madhabbati Model School.
Ram Gopal Pal	...	Ditto.
Uma Kanta Das	...	Dinajpur Municipal Model School.
Tag Ali Sarkar	...	Alagdihi Model School.
Lakshmi Chandra Das	...	Baragram M. V. School.
Yamini Kanta Ghosh	...	Raiganj M. E. School.
<i>Jalpaiguri.</i>		
Yogendra Nath Ray	...	Patgram M. V. School.
Hem Chandra Pal	...	Maynaguri Model School.
<i>Pabna.</i>		
Mohan Lal Datta	...	Rajapur M. V. School.
Mohini Mohan Kunda	...	Potajee M. V. School.
Madnabi Lal Baishnab	...	Mohanpur Balaknath.
Durga Prasad Datta	...	Baniyapati M. E. School.
<i>Rajshahi.</i>		
Kali Mohan Talukdar	...	Talenda M. E. School.
Ramani Kanta Gosvami	...	Hagbora M. V. School.
Azimuddin Sardar	...	Nayagaon H. E. School.
Hari Ram Mukhopadhyay	...	Arami M. V. School.
Giris Narayan Bagehi	...	Lalpur M. E. School.
Debendra Nath Roy	...	Kasimpur M. E. School.
Radha Nath Das Bairagi	...	Lalpur M. E. School.
Haris Chandra Chattopadhyay	...	Boaliya Loknath M. E. School.
<i>Rangpur.</i>		
Mahammad Moosa	...	Rangpur Practising School.
Beni Madhab Das	...	Gaitandha H. E. School.
Dvarka Nath Ghosh	...	Gopalpur M. E. School.
Kasiruddin Mahammad	...	Jaldhaka Model School.

JALPAIGURI, the 28th December 1892.

G. BELLETT,  
Inspector of Schools, Rajshahi Circle.

**List of Candidates who have obtained Upper Primary Scholarships in the Rajshahi Division, 1892-93.**

<i>Bogra.</i>		
Garibulla Sarkar	...	Adamdighi U. P. School.
Asmatulla Akanda	...	Baraitani U. P. School.
Rafatulla Sarkar	...	Nungola U. P. School.
<i>Dinajpur.</i>		
Sekh Badul Mahammad	...	Golundar U. P. School.
Hara Singha Das	...	Bandhugram U. P. School.
Kshiroda Sundari Basu	...	Dinajpur Girls' School.
Emaruddin Ahmed	...	Chamesvari U. P. School.
Kali Prasanna Mukerjee	...	Uday U. P. School.
<i>Jalpaiguri.</i>		
Jay Kanta Das	...	Dhabalsati U. P. School.
Mangal Charan Das	...	Dhabalguri U. P. School.
Majiruddin Pradhan	...	Nirashipukhuriya U. P. School.

<i>Pabna.</i>		
Digendra Nath Raha	...	Gayla U. P. School.
Sarat Chandra Basak	...	Baniyapati U. P. School.
Lalit Mohan Das	...	Nandaupur U. P. School.
Umesh Chandra Sarkar	...	Bhat Digholiga U. P. School.
Navadvip Chandra Chakravarti	...	Baigan U. P. School.
Hosen Ali Miya	...	Satbariya U. P. School.
<i>Rajshahi.</i>		
Radha Sundar Acharjya	...	Kamargram U. P. School.
Alimuddin Sarkar	...	Patalijhara U. P. School.
Mahatabulla Saha	...	Saipara U. P. School.
Jagadisvar Sanyal	...	Madarigram U. P. School.
Nimai Charan Saha	...	Mirganj U. P. School.
<i>Rangpur.</i>		
Kali Charan Sarkar	...	Pabnapur U. P. School.
Dharani Kanta Das	...	Tarapur U. P. School.
Ram Krishna Das	...	Khalilganj U. P. School.
Anaruddin Mandal	...	Pargayra U. P. School.
Kayemuddin	...	Khaprikhali U. P. School.
Sahadeb Ray	...	Kutabpur U. P. School.

JALPAIGURI, the 28th December 1892.

G. BELLETT,  
Inspector of Schools, Rajshahi Circle.

## NOTIFICATIONS OF THE BOARD OF REVENUE.

No. 2056B.

NOTICE is hereby given that the Second Sale of Opium, the provision of 1890-91, will be held at the Government Opium Sale-room, No. 2, Bankshall Street, on Wednesday, the 1st February 1893, at 11 A.M., and will comprise 3,642 chests, viz.—

			Chests.
Opium manufactured at the Patna Factory	...	...	1,927
Ditto ditto at the Ghazee-pore Factory	...	...	1,715
Total	...	...	3,642

2nd.—The general conditions of the sale now advertised will be the same as usual. They may be ascertained by reference to the Notification issued on the 24th November 1892, and published in the *Government and Exchange Gazettes*, or on personal application at the Office of the Board of Revenue.

3rd.—The latest dates for deposit and clearance will be the 6th and 16th February 1893, respectively, that is to say, no Bank of Bengal Receipts, Government Promissory Notes, or other public securities that may be tendered for deposit in redemption of Promissory Notes given by purchasers in the Sale-room will be received after 3-30 P.M. of Monday, the 6th February 1893, and no Bank of Bengal Receipts in full payment of lots will be accepted after 3-30 P.M. of Thursday, the 16th February 1893.

4th.—In addition to the quantity above advertised for sale, the following quantities, more or less, of the opium manufactured at the Patna and Ghazee-pore Factories will be brought to sale down to December next about the dates specified below. The Board of Revenue, however, reserve to themselves the right of altering these dates should circumstances render it expedient to do so—

DATE.			Manufactured at the Patna Factory; about chests.	Manufactured at the Ghazee-pore Factory; about chests.	Total about chests.
On or about Monday,	6th March	1893	1,927	1,715	3,642
On or about Tuesday,	4th April	"	1,927	1,715	3,642
On or about Monday,	1st May	"	1,927	1,715	3,642
On or about Thursday,	1st June	"	1,927	1,715	3,642
On or about Monday,	3rd July	"	1,927	1,715	3,642
On or about Wednesday,	2nd August	"	1,927	1,715	3,642
On or about Friday,	1st September	"	1,927	1,715	3,652
On or about Thursday,	5th October	"	1,927	1,715	3,642
On or about Wednesday,	1st November	"	1,927	1,715	3,642
On or about Friday,	1st December	"	1,927	1,715	3,642
Total	...		19,270	17,150	36,420

By order of the Board of Revenue, L.P..

T. INGLIS, Secretary.

BOARD OF REVENUE, L.P., FORT WILLIAM, the 20th December 1892.



Statement showing the Importation of Salt (private property) in bond and afloat on the River Hooghly, subject to Customs Duty, on the 31st December 1892.

DESCRIPTION OF SALT.	Government golahs.	Private golahs.	Afloat.	Total.
	Mds.		Mds.	Mds.
Liverpool Punga ... ..	2,81,385	.....	7,31,151	9,62,536
Bombay Karkach ... ..	18,689	.....	64,617	73,256
Arabian and Persian Gulfs Kar- kach and Muscat Rock ... ..	3,71,007	.....	.....	3,71,007
Aden Karkach ... ..	1,47,914	.....	.....	1,47,914
Hamburg salt ... ..	5,361	.....	68,772	74,133
Tuticorin salt ... ..	40,818	.....	.....	40,848
Total ..	8,15,184	.....	8,54,540	16,69,724

By order of the Board of Revenue, L.P.,  
C. R. MARRIOTT, Collector of Customs.  
CUSTOM HOUSE, CALCUTTA, the 7th January 1893.

ELECTION OF MUNICIPAL COMMISSIONERS.

NOTIFICATION.

It is hereby notified, under Rule 21 of the revised Election Rules, for general information that an election will be held on the 24th February 1893, under section 27 of Act III (B.C.) of 1884, in Ward No. IV of the Nasirabad Municipality, in the district of Mymensingh, for the election of a Commissioner, *vice* Babu Srinath Roy, who has ceased to be a Commissioner under section 20 of the Act.

II. LUTTMAN-JOHNSON, Commissioner.

Dacca, the 3rd January 1893.

NOTIFICATION.

It is hereby notified for general information that the following gentlemen have been elected at the recent general elections as members of the several Local Boards in the district of Khulna :—

Local Boards.	Thana.	Names of members elected.
Khulna	Khulna	Babu Debendra Nath Sen.
		„ Trailakya Nath Chatterji.
	Paikgacha	„ Sasadhur Mitra.
		„ Jogendra Nath Mitra.
		„ Soshi Bhusan Bauerji.
Bagirhat	Bagirhat	Kazi Safiuddin.
		Babu Gobinda Chandra Das.
	Rampal	„ Banamali Ghose.
		„ Hara Prosad Nag.
		„ Gobinda Chandra Mitra.
Satkhira	Morrelgungc	„ Girish Chandra Bauerji.
	Mollahbat	„ Soshi Bhusan Bauerji.
	Satkhira	„ Aswini Kumar Rai Chowdhury.
	Assasuni	Shaik Muusshi Mohamed Ismail.
	Kaligunge	Haji Toferzul Hossein.
Magura	Kalaroa	Babu Lolit Mohun Mukerji.
		„ Upendra Chandra Mukerji.
	Magura	„ Gopal Chandra Rai Chowdhury.
		„ Setul Chandra Chatterji.

AMAR NATH BHATTACHARJEE, Persl. Asst. to Commr.  
COMMR.'S OFFICE, PRESIDENCY DIVN., CALCUTTA, the 6th January 1893.

ERRATUM.

In the third line of the Erratum published at page 1096, Part I of the Calcutta Gazette of the 7th December 1892, read "Bagui" for "Bagni."

AMAR NATH BHATTACHARJEE, Personal Assistant, for Commissioner.  
COMMR.'S OFFICE, PRESIDENCY DIVISION, CALCUTTA, the 6th January 1893.

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**NOTIFICATION.**

It is hereby notified for general information that, under section 9, Act III (B.C.) of 1885, the following gentlemen have been elected at the recent general elections as members of the Katwa Local Board, in the district of Burdwan :—

***Names of Members.***

Babu Mon Mohun Surkar.	Babu Radha Sunder Mitra.
„ Brajendra Nath Sen.	„ Jadu Nath Mukerji.
Babu Kedar Nath Banerji.	

PRAN KUMAR DAS, *Personal Assistant, for Commissioner, on tour.*

COMMR.'s OFFICE, BURDWAN DIVN., the 6th January 1893.

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**NOTIFICATION.**

It is hereby notified, under Rule 21 of the revised Election Rules, for general information that an election will be held on the 24th February 1893, under section 27 of Act III (B.C.) of 1884, in Ward No. IV of the Kishoreganj Municipality, in the district of Mymensingh, for the election of a Commissioner, *vice* Babu Raj Chandra Rai, who has ceased to be a Commissioner under section 20 of the Act.

H. LUTTMAN-JOHNSON, *Commissioner.*

DACCA, the 6th January 1893.





# The Calcutta Gazette.

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WEDNESDAY, JANUARY 11, 1893.

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## PART I A.

### Orders and Notifications by the Government of India, &c.

[*Reprinted from the "Gazette of India."*]

The following orders, issued by the Government of India, in the Home Department, are republished for general information.

H. J. S. COTTON,  
*Chief Secy. to the Govt. of Bengal.*

#### NOTIFICATIONS.

##### ESTABLISHMENTS.

*Calcutta, the 5th January 1893.*

No. 5.—Mr. H. Beveridge is permitted to resign Her Majesty's Indian Civil Service with effect from the 15th January 1893, or the subsequent date on which he may sail from India, or relinquish charge of office in the event of his not taking subsidiary leave.

##### MEDICAL.

*The 3rd January 1893.*

No. 1 —The services of Surgeon-Major G. Money-Shewan, M.B., Bengal Establishment are replaced at the disposal of the Military Department.

C. J. LYALL,  
*Secy. to the Govt. of India.*

The following order, issued by the Government of India, in the Department of Finance and Commerce, is republished for general information.

H. J. S. COTTON,  
*Chief Secy. to the Govt. of Bengal.*

#### NOTIFICATIONS.

##### LEAVE AND APPOINTMENTS.

*Calcutta, the 4th January 1893.*

No. 8-P.—Mr. C. E. Crawley, Assistant Accountant-General and Examiner of Local Accounts, Bengal, is granted privilege leave for one month and ten days, with effect from the 16th December 1892.

STEPHEN JACOB,  
*Offg. Secy. to the Govt. of India.*

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The following order, issued by the Government of India, in the Military Department, is republished for general information.

H. J. S. CORTON,  
*Chief Secy. to the Govt. of Bengal.*

*Fort William, the 3rd January 1893.*

**APPOINTMENTS.**

**PERSONAL STAFF.**

No. 1.—The Viceroy and Governor-General has been pleased to make the following appointment on His Excellency's Personal Staff:—

*To be Honorary Surgeon.*

Brigade-Surgeon Lieutenant-Colonel Daniel O'Connell Bays, B.D., Indian Medical Service, Professor of Surgery, Medical College, Calcutta, and *ex-officio* 1st Surgeon to the College Hospital.

E. H. H. COLLEN,  
*Secy. to the Govt. of India.*



# The Calcutta Gazette.

WEDNESDAY, JANUARY 11, 1893.

## PART IB.

### ORDERS BY THE LIEUT.-GOVERNOR OF BENGAL.

#### MUNICIPAL AND LOCAL.

##### NOTIFICATION.

*No. 59M.—The 6th January 1893.*—It is hereby notified that the Lieutenant-Governor approves the election, under section 27 of the Bengal Municipal Act III of 1884, by the Commissioners of the Muktagacha municipality in the district of Mymensingh, of Babu Hari Das Acharjya Chaudhri to be their Chairman, *vice* Raja Surja Kant Acharjya Bahadur, resigned.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

##### NOTIFICATION.

*No. 92M.—The 6th January 1893.*—It is hereby notified that, under section 17 of the Bengal Municipal Act III of 1884, the Lieutenant-Governor is pleased to appoint the following gentlemen to be Commissioners of the Daltonganj Municipality in the district of Lohardaga:—

- |                                  |                         |
|----------------------------------|-------------------------|
| 1. Thakuraj Bhagabat Dyal Singh. | 5. Babu Anokhi Lal.     |
| 2. Mr. J. T. Babonau.            | 6. „ Kunja Lal Sanyal.  |
| 3. Babu Modhu Sudan Banerjia.    | 7. „ Radha Charan Dutt. |
| 4. „ Bhuban Mohan Borah.         | 8. Mirza Abdul Sattar.  |
| 9. Babu Khedon Ram.              |                         |

2. The Lieutenant-Governor is also pleased to appoint, under section 23 of the Act, Mr. W. R. Bright to be the Chairman of the Municipality.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

##### NOTIFICATION.

*No. 94M.—The 6th January 1893.*—It is hereby notified that, under section 27 of the Bengal Municipal Act III of 1884, the Lieutenant-Governor is pleased to appoint Babu Bhairab Nath Palit, Deputy Magistrate, and Surgeon Captain A. H. Nott, Civil Surgeon, to be Commissioners of the Suri Municipality in the district of Birbhum, *vice* Maulvi Ahmed and Babu Khurgeswar Bose.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

##### NOTIFICATION.

*No. 74M.—The 6th January 1893.*—Under Rule 9 of the Rules framed under section 5 of the Local Authorities Loan Act, 1879, it is hereby notified for general information that the Lieutenant-Governor intends to sanction the following application from the Commissioners of the Chapra Municipality, in the district of Saran, for a loan of Rs. 5,000 from Government, bearing interest at 4½ per cent. per annum, unless good reasons are shown to the contrary within one month from the date of the publication of this notification within the said Municipality.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*



NOTIFICATION.

No. 120M.—*The 8th January 1893.*—Under rule 9 of the rules framed under section 5 of the Local Authorities Loan Act, 1879, it is hereby notified for general information that the Lieutenant-Governor intends to sanction the following application from the Commissioners of the Howrah Municipality for a loan of Rs. 8,000 from Government, bearing interest at 4½ per cent. per annum, repayable in ten equal half-yearly instalments, unless good reasons are shown to the contrary within one month from the date of the publication of this notification within the said Municipality.

H. H. BISLEY,  
*Secretary to the Government of Bengal.*

APPLICATION FROM THE COMMISSIONERS OF THE HOWRAH MUNICIPALITY FOR A LOAN OF RS. 8,000.

RECEIPT OF LOAN.										A DETAILED ACCOUNT OF THE REVENUE AND EXPENDITURE OF THE LOCAL AUTHORITY FOR THE THREE LAST PRECEDING YEARS.										REMARKS.	
1	2	3	4	5	6	7	8	9	10	11	12	REVENUE.		EXPENDITURE.		17	18	19	20	21	
												Amount for 1890-91.	Amount for 1891-92.	Amount for 1890-91.	Amount for 1891-92.						
The law or laws under which the loan is raised, or the authority by which it is raised.	The fund or funds on the security of which it is proposed to borrow.	The amount which it is proposed to borrow.	The fund or funds on the security of which it is proposed to borrow.	The period for which the loan is required.	Rate of interest.	The number of instalments, if any, in which it is proposed that the loan should be repaid.	Amount of each instalment.	The date proposed for repaying such instalments.	Date of instalment, if any.	Amount of each instalment.	Sources from which the revenue was derived.	Amount for 1890-91.	Amount for 1891-92.	Objects on which the expenditure was incurred.	Amount for 1890-91.	Amount for 1891-92.	Amount for 1892-93.	All existing prior charges upon the funds of the Local Authority.			
Acquisition of the Radhah tank for the supply of water at an estimated cost of Rs. 500.	Howrah Municipal Fund.	Rs. 500	Howrah Municipal Act III of 1881.	Five years.	4½ per cent.	One.	Rs. 8,000.	January 1893.	1st July 1893	Rs. 5 0	Balance ..	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs. 50,000 for the construction of the Howrah Ferryway.	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.
									1st January 1894	Rs. 5 0	Conservancy rates ..	67,883	67,883	General establishment	58,624	25,067	35,423	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.
									1st July 1894	Rs. 5 0	License on trade ..	4,360	4,360	Public salary ..	41,692	46,214	52,862	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.
									1st January 1895	Rs. 5 0	Other local taxes ..	7,431	7,431	Public health ..	1,24,365	1,43,653	1,48,338	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.
									1st July 1895	Rs. 5 0	Tax on houses and lands ..	1,20,225	1,20,225	Public instruction ..	58,215	63,861	67,783	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.
									1st January 1896	Rs. 5 0	Tax on vehicles ..	6,772	6,772	Miscellaneous ..	9,224	8,423	20,571	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.
									1st July 1896	Rs. 5 0	Tax on animals ..	3,211	3,211	Loans ..	10,155	8,423	20,571	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.
									1st January 1897	Rs. 5 0	Miscellaneous receipts ..	21,807	21,807	Interest ..	3,000	3,000	8,000	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.
									1st July 1897	Rs. 5 0	Loans ..	1,361	1,361	Deposits ..	1,355	735	2,340	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.
									1st January 1898	Rs. 5 0	Deposits ..	1,361	1,361	Advances ..	5,125	4,580	3,048	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.	Rs. 12,000 for the construction of the Howrah Ferryway.	Rs. 50,000 for the construction of the Howrah Ferryway.
						</															

G. A. GIBSON,  
*Chairman*



## NOTIFICATION.

*No. 102M.—The 9th January 1893.*—It is hereby notified that, under section 27 of the Bengal Municipal Act III of 1884, the Lieutenant-Governor is pleased to appoint Bahu Banka Behari Singh, Deputy Magistrate, to be a Commissioner of the Balasore Municipality, *vice* Babu Rakhal Chandra Banerjee, resigned.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.

*No. 136L.S.-G.—The 9th January 1893.*—It is hereby notified that, under section 19 of the Bengal Local Self-Government Act III of 1885, the Lieutenant-Governor is pleased to appoint Babu Rajkishore Narain to be a member of the District Board of Saran in the place of Mr. R. Faulkner

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.

*No. 147L. S.-G.—The 10th January 1893.*—It is hereby notified that, under section 19 of the Bengal Local Self-Government Act III of 1885, the Lieutenant-Governor is pleased to appoint Mr. J. V. Webb to be a member of the Hajipur Local Board in the district of Muzaffarpur, *vice* Babu Jamna Pershad Sukul, resigned.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.

*No. 154M.—The 10th January 1893* —It is hereby notified that, under section 27 of the Bengal Municipal Act III of 1884, the Lieutenant-Governor is pleased to appoint Mr. C. J. Stevenson-Moore to be the Chairman of the Sasaram Municipality in the district of Shahabad, *vice* Mr. A. C. Mackertich.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

## DECLARATION.

*No. 132M.—The 9th January 1893.*—Whereas it appears to the Lieutenant-Governor of Bengal that land is required to be taken up by Government at the expense of the Calcutta Municipality for a public purpose, *viz.*, for improving Middle Road Bye-lane, it is hereby declared that for the above purpose a piece of land No. 11, Middle Road Entally, in Dehi Panchannogram, district 24-Parganas, measuring, more or less, 7 chittacks and 5 square feet only, is required. The boundaries of the land are as follows:—On the North and West No. 11, Middle Road Entally; on the South No. 12, Middle Road Entally; and on the East Middle Road Bye-lane.

A plan and specification of the land are filed in the office of the Commissioners for public inspection.

This declaration is made, under the provisions of section 6 of Act X of 1870, to all whom it may concern

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*



# The Calcutta Gazette.

WEDNESDAY, JANUARY 11, 1893.

## PART II. Advertisements.

[N. B.—Advertisements, Notices, &c., intended for insertion in this part of the Gazette cannot be received after Noon on Monday.]

### LAND SALE NOTICES.

#### APPENDIX XXIV.

SEE CHAPTER II, PART 3, RULE 26.

#### Advertisement of Sale.

NOTICE is hereby given that the undermentioned plots of land no longer required by Government, situated along the East India Railway, in the district of Hooghly, will be put up to sale at 12 o'clock on the 12th January 1893, corresponding with the Pous 1299 B.S.

The purchasers of the several plots of land will be subject to the following conditions:—

1st.—The purchasers will have no power to make any excavations on the lands nearer than fifteen feet from the Railway fencing or plough the land closer than three feet from its foundation.

2nd.—If the amount of purchase-money does not exceed Rs. 100, the whole amount must be paid down at once.

3rd.—If the amount of purchase-money exceeds Rs. 100, one-fourth of the amount must be immediately deposited. If the balance be not paid by noon of the fifteenth day after the sale, reckoning the day of sale as one, or if that day be a close holiday, then by noon of the first succeeding office day, the sale shall be cancelled, the sum deposited being forfeited to Government, and the lot again put up for sale at the risk of the defaulting purchaser after issue of advertisement, as in the case of original sale.

4th.—The plots of land will be sold revenue-free to the highest bidders.

5th.—The purchaser shall be put in possession on receipt by the Collector of the orders of the Board confirming the sale.

Name of district.	Pargana and mauza.	Number of mile on which land is situate.	Situated on which side of the railway.	Approximate area of lot in bighas and in acres.		LAND EXCLUDED FROM SALE FROM EACH LOT.		Commencement and termination of plots.	Boundary of lot.
						Reasons for exclusion.			
2	3	4	5	6		7		8	9
Hooghly	Arsha Pathali ...	1st mile ..	South ..	R. K. C. 10 2 0	A. R. P. 3 1 8½	.....	A. R. 1. .....	.....	North—By Railway land. East—By Bopin Bohary Mitter's land. South—By Municipal road. West—By plot No. 2.
Ditto ..	Ditto ...	ditto ...	ditto...	10 2 3	3 1 9	.....	.....	.....	North—By Railway land. East—By plot No. 1. South—By Municipal road and the land of Annundo Chandra Bosu, of Kapsadanga.
Ditto ...	Ditto ...	ditto ...	ditto...	10 7 13	3 1 23½	.....	.....	.....	West—By Municipal lane. North—By Railway land. East—By Municipal lane. South—By Poran Chandra Mullick's garden, Sroonath Dutt's garden.
Ditto ..	Ditto ...	ditto ...	ditto ..	10 7 0	3 1 21½	.....	.....	.....	West—By plot No. 4. North—By Railway land. East—By plot No. 3. South—By Srinath Dutt's garden and Shaik Nokoo's land. West—By Municipal lane.

Hooghly Collectorate, the 12th November 1892.

F. W. DUKE, Collector.

**NOTICE** is hereby given that the undermentioned plot of land no longer required by Government, situated along the Tirhut State Railway, in the district of Monghyr, will be put up to sale at 12 o'clock on Wednesday the 18th January 1893, corresponding with the 16th Pous 1300 Fual, at Begamsarai Station, Tirhut State Railway.

The purchaser of the plot of land will be subject to the following conditions :—

1st.—The purchasers will have no power to make any excavations on the land nearer than 15 feet from the railway fencing, or plough the land closer than 3 feet from its foundation.

2nd.—If the amount of purchase-money does not exceed Rs. 100, the whole amount must be paid down at once.

3rd.—If the amount of purchase-money exceeds Rs. 100, one-fourth of the amount must be immediately deposited. If the balance be not paid by noon of the 15th day after the sale, reckoning the day of sale as one, or if that day be a close holiday, then by noon of the first succeeding office day, the sale shall be cancelled, the sum deposited being forfeited to Government, and the lot again put up for sale at the risk of the defaulting purchaser, after issue of advertisement, as in the case of original sale.

4th.—The plot of land will be sold revenue-free to the highest bidders.

5th.—The purchasers shall be put in possession on receipt by the Collector of the orders of the Board confirming the sales.

Lot Consecutive number.	Name of district.	Pargana and mausa.	Number of mile on which land is situate.	Situated on which side of the railway.	Approximate area of lot in bighas and in acres.		Land excluded from sale from each lot.		Commence- ment and termination of lot.	Boundary of lot.
					B. K. D.	A. R. P.	Reasons for exclu- sion.	A. R. P.		
1	2	3	4	5	6		7		8	9
1	Monghyr	Pargana Naipur, mausa Dwarka- pur.	5	East and west	3 poles or 1 cottah, 6½ dhooas.		.....		The land is situated on mile No. 5, but the area has been shown on the plan of mile No. 6.	

Monghyr Collectorate, the 24th November 1892.

DEANESH CHUNDER ROY, Deputy Collector, for Collector.

**NOTICE** is hereby given, under section 6, Act XI of 1859, that the undermentioned estates and shares of estates in the district of the 24-Parganas will be put up for sale at the Collector's Office of that district on the 16th January 1893 for arrears of revenue fell due on the 26th September 1892 :—

1	2	3	4	5	6	7	8	9
Tauza No.	Name of pargana and mahal.	Sadar jama of the whole estate.	Whether the whole estate is to be sold.	If only a share is to be sold, the speci- fication of such share or shares.	Names of proprietors of property to be sold.	If only a share is to be sold, the sadar jama of such share.	If the whole estate is to be sold, the arrears due from it.	If only a share is to be sold, the arrears due from it.
		Rs. A. P.					Rs. A. P.	Rs. A. P.
2	Pargana Magura, Kismat Kangan- beria and others.	2,833 3 4		Excluding the shares separated under sec- tions 10 and 11 of Act XI of 1859, the residu- ary share 4a. 5g. 2k. 4d. 12-15-17.	Rajoy Keshob Rai Chowdhuri.	758 3 0	.....	12 3 0
9	Pargana Magura, Kismat Chitla and others.	818 1 3½	Whole	.....	Harish Chunder Rai Chowdhuri and others.	.....	73 2 4½	.....
63	Pargana Magura, Kismat Baidrow- ni and others.	9,135 6 1½	.....	Excluding the share separated under sec- tion 10 of Act XI of 1859, 9a. 13g. 1k. 10d.	Indromini Daul	5,517 7 1½	.....	1,285 4 5½
392	Pargana Azima- bad, huda Jey- chandipur.	8,315 7 8	.....	Excluding the shares separated under Act XI of 1859, residuary share 8a.	Bankay Behari Mon- dal and others.	4,156 11 10	.....	253 8 5½
403	Pargana Azima- bad, Pathurburia and others.	5,143 3 3	.....	Excluding the shares separated under sec- tion 10 of Act XI of 1859, share 6a. 18g. 2k. 2kr.	Raj Kismore Mondal and others.	2,228 11 4½	.....	14 8 11
411	Pargana Magura, Kismat Jhannu- kholla and others.	2,519 11 19	Whole	.....	Harish Chunder Rai Chowdhuri and others.	.....	309 7 1	.....

24-Parganas Collectorate, the 25th November 1892.

F. R. S. COLLIER, Collector.

## Notice

IS hereby given that agreeably to the sanction conveyed by the Board of Revenue in their letter No. 173A., dated the 25th February 1892, the undermentioned properties will be sold at the Gaya Collectorate by public auction at 2 P.M. on the 9th February 1893, and following days, for the settlement of debts and liabilities against the estate of Babu Inder Deo Narayan Singh minor of Chunderghat under the Court of Wards. One-fourth of the purchase money must be deposited by the purchasers at auction at the time of sale, the remainder of the purchase money together with any arrears of rents due will be payable within 14 days of the sale being confirmed by the Commissioner. If the full purchase money is not paid on confirmation of sale, the money deposited will be forfeited. Purchasers will get credit in their purchase money for any peshgi due to the thecdars. For particulars apply to the Manager, Chunderghat Estate. The undersigned does not bind himself to accept any bid which is less than a reserved price fixed beforehand. Applications for purchase by private contract at reasonable prices of all or any of the properties will be received by the Manager up to the 31st of January 1893.

## List of Properties.

1	2	3	4	5	6	7	8	9	10	11	12
Serial number.	Tauri number.	Name of village.	Extent of share.	Thana, pargana, and district.	Thika or mufassal jama.	Government revenue.	Cesses.	Rent payable to superior land-lord.	Balance of profit.	Area.	REMARKS.
1	2934	Tipa, including Achanra, Kurandih, Dhananti, Sazoua, Rajulpur, in mahal Khonoul Kalan	1a. 8p.	Thana Asram, pargana Rohas, district Shahabad.	Rs. A. P. 118 15 3	Rs. A. P. ....	Rs. A. P. ....	Rs. A. P. 86 0 0	Rs. A. P. 32 15 3	2,876 19 0	The area is shown of entire mahal. The village is mukam and at present sir.
2	2091	Jaitipur	3a. 5p.	Ditto	175 2 0	.....	.....	12 4 6	162 13 6	1,768 0 0	Ditto.
3	2044	Bhawanathpur	8a.	Ditto	154 0 0	.....	.....	7 3 0	116 13 0	208 0 0	Thana. The area is shown of entire village.
4	Lakheraj.	Konopahari	10a.	Thana Hosseimbud, pargana Japla, district Faamau.	109 11 9	.....	3 9 6	.....	106 2 3	600 0 0	Sir. The area is shown of entire village. It is lakheraj.
5	Do.	Bazardip	8a. 4p.	Ditto	140 11 9	.....	.....	64 3 6	76 8 3	340 0 0	Sir. The area is shown of entire village.
6	Do.	Banindih Bambi including Baghubirbha, Hichha, Tari, Malan Tari, with 24 a. 2 kauri, and 2 kham, in the Eraz of 25 bighas in the same village.	14a. 2 kauri and 2 kham.	Ditto	156 9 3	.....	.....	24 13 3	131 11 0	1,200 0 0	Sir. Do. do.
7	Do.	Jharendia, 3a. 7p. 8a.	1a. 7p.	Ditto	278 8 6	.....	.....	75 11 6	262 13 0	1,441 0 0	The area shown is of entire village.
8	2938	Churahi Danandih	6a.	Thana Nabimbar, pargana Kutumba, district Gaya.	134 7 3	61 14 0	15 6 0	.....	357 3 3	250 12 6	Sir. This will be sold if Kunepahari and Jharendia are not sold.

BHUVAN LAL, Manager, Chunderghat Estate.  
The 30th December 1892.

D. J. MACPHERSON, Collector of Gaya.  
(925—1)

## Notice

IS hereby given that, agreeably to the sanction given by the Government of Bengal in letter No. 4096L.R., dated the 25th November 1892, the undermentioned properties will be sold at the Gaya Collectorate by public auction at 2 P.M. on the 9th February 1893 and following days for the settlement of debts and liabilities against the Deo Estate. One-fourth of the purchase-money must be deposited by the purchasers at auction at the time of sale; the remainder of the purchase-money, together with any arrears of rents due, will be payable within 14 days of the sale being confirmed by the Commissioner. If the full purchase-money is not paid on confirmation of sale, the money deposited will be forfeited. Purchasers will get credit in their purchase-money for any peshgi due to the thecdars. For particulars apply to the Manager, Deo Estate. The undersigned does not bind himself to accept any bid which is less than a reserved price fixed beforehand. Applications for purchase by private contract at reasonable prices of all or any of the properties will be received by the Manager up to the 31st of January 1893:—

## List of properties

1	2	3	4	5	6	7	8	9	10	11
Serial number.	Tauri number.	Name of village.	Extent of share.	Thana, pargana, and district.	Thika jama.	Government revenue.	Cesses.	Balance of profit.	Area.	REMARKS.
1	3027	Monjhila	16	Thana Nawada, pargana Roh, district Gaya.	Rs. A. P. 5,129 1 9	Rs. A. P. 738 0 0	Rs. A. P. 382 5 0	Rs. A. P. 4,308 12 9	B. K. D. 7,400 18 7	
2	3411	Harsahi Gorahi	16	Ditto	360 4 0	105 0 0	11 13 0	92 7 0	215 0 4	
3	3610	Sallari Khurd	16	Ditto	862 9 0	250 0 0	64 0 0	495 0 0	1,318 3 13	
4	3616	Kuthara with Krazzi Katiara.	16	Ditto	237 5 6	100 0 0	6 4 6	131 1 0	233 4 13	
5	3000	Rajpura Bhikhunpur.	16	Ditto	4,500 0 0	700 0 0	206 7 0	3,593 9 0	2,741 0 9	
6	3089	Nawanagar Kampli.	16	Thana Nawada, pargana Samat, district Gaya.	1,308 2 3	800 0 0	162 0 0	945 9 3	1,580 13 6	
7	3008	Khutak	16	Ditto	3,117 0 0	865 0 0	181 12 0	2,140 4 0	686 16 15	At present sir.
8	3083	Ladipur Japra	16	Ditto	733 15 0	203 0 0	44 1 0	495 14 6	510 19 13	
9	3087	Dewanautpur Sikundara.	16	Ditto	1,065 13 0	515 0 0	79 11 0	471 2 9	416 13 5	
10	3014	Rasulpur Same	16	Ditto	321 13 6	132 0 0	19 3 0	170 11 6	185 13 17	
11	3040	Bhawanatpur	16	Ditto	703 2 0	395 0 0	37 13 0	450 4 6	523 3 15	
12	3612	Sindura	16	Thana Nawada, pargana Roh, district Gaya.	762 10 0	150 0 0	23 7 0	360 8 0	290 4 0	
	4890	Aarakhe Sindura	16	Ditto	762 10 0	150 0 0	23 7 0	360 8 0	290 4 0	
				Total	19,923 13 0	4,080 10 0	1,258 15 6	13,084 4 3	.....	

BHUVAN LAL, Manager, Deo Estate.  
The 30th December 1892.

D. J. MACPHERSON, Collector of Gaya.  
(924—1)

**Statement of Government Promissory Notes enfaced for payment of Interest in London, under deduction of amount retransferred to India, and outstanding in the Books of the Bank of Bengal on the 31st December 1892.**

PARTICULARS.	4 PER CENT. LOANS				4½ PER CENT. LOANS			Transfer load of 1879, seven shillings per cent. portion.	5 per cent. loan of 1864-67.	GRAND TOTAL.				
	3½ per cent. transfer loan of 1868-64.	Of 1882-83.	Of 1883-84.	Of 1884-85.	Of 1879.	Reduced 4 per cent. loan of 1879.	Total.							
Balance of 15th December 1892	55,209	12,34,027	21,63,500	3,54,08,400	15,95,31,900	4,03,30,400	1,90,46,600	25,91,25,827	36,000	2,23,709	61,80,100	1,34,800	31,200	26,47,95,627
ADD—														
Amount of 3-4 notes transferred to G-4 in London	.....	.....	.....	.....	2,100	.....	.....	2,100	.....	.....	.....	.....	.....	2,100
Amount enfaced at Madras between 16th and 31st December 1892	.....	.....	.....	10,000	55,000	21,300	500	67,100	.....	.....	.....	.....	.....	67,100
Amount enfaced at Bombay between 16th and 31st December 1892	.....	.....	.....	17,000	2,31,000	5,100	.....	2,53,100	.....	.....	.....	.....	.....	2,53,100
Amount enfaced at Calcutta between 16th and 31st December 1892	.....	.....	.....	20,000	6,000	15,300	500	41,800	.....	1,000	.....	.....	.....	46,300
DEDUCT—														
Amount written off in the London registers	55,209	12,34,027	21,63,500	3,55,13,400	16,01,06,000	4,03,72,700	1,9,00,600	25,54,90,227	36,000	2,24,700	61,92,600	1,34,800	31,200	26,51,64,727
	.....	2,131	1,000	1,20,000	2,09,700	3,21,800	.....	6,54,634	.....	.....	.....	.....	.....	6,54,634
Balance on 31st December 1892	55,209	12,31,893	21,62,500	3,53,93,400	15,98,96,300	4,00,50,900	1,91,00,600	25,78,35,563	36,000	2,24,700	61,92,600	1,34,800	31,200	26,46,10,063

NOTE.—From 9th June 1897 to 31st Oct. 1892—Enfaced from India 8,93 lakhs; re-transferred from London 6,753 lakhs.

1st Nov. 1892	"	15th Nov.	"	19	"	"	"	34	"
" 16th "	"	" 30th "	"	3	"	"	"	9	"
" 1st Dec.	"	" 15th Dec.	"	12	"	"	"	7	"
" 16th Dec.	"	" 31st "	"	3	"	"	"	6	"
				8,100				6,808	lakhs.
				6,809					

Balance against India — 1,291 lakhs.

PUBLIC DEPT. OFFICE, BANK OF ENGLAND,  
Calcutta, 5th January 1893.

W. D. CRICKSHANK,  
Secretary and Treasurer.

(935—1)

**Statement of the Affairs of the Bank of Bengal for the week ending 3rd January 1893.**

LIABILITIES.				ASSETS.			
		Rs.	A. P.			Rs.	A. P.
Capital paid-up ... ..		2,00,00,000	0 0	Government Securities ... ..		58,36,748	0 0
Reserve Fund ... ..		49,00,000	0 0	Other authorized investments ... ..		59,23,062	4 0
Public Deposits at Head Office ... ..	Rs. 78,63,560 14 2	1,67,75,302	12 5	Loans on Government and other authorized Securities ... ..		1,16,30,652	3 7
Ditto ditto at Branches ... ..	89,11,732 14 3			Accounts of credit on ditto ditto ... ..		90,31,804	14 7
Other Deposits at Head Office and Branches ... ..		5,35,80,818	0 0	Bills discounted and purchased ... ..		2,58,37,473	15 8
Bank Post Bills, &c. ... ..		2,02,000	14 9	Balances with other Banks ... ..		12,47,460	0 4
Sundries ... ..		35,70,702	5 2	Bullion ... ..		1,73,955	10 0
				Dead Stock ... ..		12,28,127	3 9
				Stamps ... ..		9,903	0 8
				Sundries ... ..		21,03,601	0 2
						6,36,31,969	5 9
				Cash & Currency Notes at Head Office ... ..	Rs. 1,05,02,157 13 4		
				Cash & Currency Notes at Branches ... ..	2,48,95,482 13 3	3,53,97,640	10 7
Rupees ... ..		9,90,29,610	0 4			9,90,29,610	0 4

BANK OF BENGA,  
Calcutta, 5th January 1893

E. J. BIRCH, Offr. Chief Acctt.  
Rate for Demand Loans 6 per cent.  
Percentage 47.7.

By order of the Directors,  
W. D. CRICKSHANK,  
Secretary and Treasurer.

(915-1)

**Oudh Forest Department.**

**BAHRAMGHAT DEPOT.**

ON THE OUDH AND KOLIKHAND RAILWAY.

FROM this date the prices of sal beams and scantlings supplied from this depot will be as follows:—  
FRAMES.—21 feet length, at Rs. 2-10 per cubic foot.

22	"	"	2-12	"
23	"	"	2-14	"
24	"	"	3	"

Above the length given two annas per foot run will be charged. Any inches over the foot will be charged as a foot.

SCANTLINGS.—From 12 to 20 feet, at Rs. 2-8 per c. ft.  
Under 12 and over 7 " 2-4 "  
Under 7 feet " 2 "

The above prices are for ordinary building purpose. For *Planing S'cepers*, &c., special rates will be fixed by agreement.

The Department will still take orders for buildings all over at Rs. 2-4 per cubic foot, provided the scantlings are taken in fair proportion.

Second and Third Class Timber will be sold and price fixed by agreement.

Auction Sales will be held from time to time to clear off stock.

For further particulars apply to the Officer in charge By order of the Conservator of Forests, N. W. P. and Oudh, Oudh Circle.

KANHYA LAL,

Sub-Assistant Conservator of Forests.

Bahramghat Division.

Bahramghat, the 1st April 1886.

**Reduction in the Price of the Pure Sulphate of Quinine.**

MANUFACTURED AT THE BENGAL GOVERNMENT CINCHONA PLANTATION.

ON and after 1st April 1891 the price of this quinine will be as follows:—

1 Pound tin	Rs. 16,	or, post free,	Rs. 16-12.
½ "	"	"	8 "
¼ "	"	"	4 "

Analysis shows this quinine to be of the purest manufacture, and it is guaranteed to be free from wilful mixture with the inferior alkaloids, Cinchonine and Cinchonidine. It is for sale only to Government officers, and only for cash, and may be had from the Superintendent, Botanic Garden, Sibpur, near Calcutta. It can be had either white or coloured pink.

**Reduction in price of Cinchona Febrifuge.**

FROM 1st April 1891, and until further orders. Cinchona Febrifuge can be purchased by all Government officers and by any one taking ten pounds at a time, from the Superintendent, Botanic Garden,

Calcutta, at the following rates. Four ounce tin Rs. 2-8; eight ounce tin Rs. 5; one pound tin Rs. 10. The general public can be supplied by the Superintendent, Botanic Garden, for cash only at the undernoted rates:—Per four ounce tin Rs. 3; per eight ounce tin Rs. 6; per pound tin Rs. 12. This medicine is also sold by the principal European and Native druggists in Calcutta. Postage four annas per 4 ounce tin, eight annas per 8 ounce tin, and twelve annas per pound tin, in addition to the foregoing rates.

**FALAKATA FAIR.**

**Notice.**

THE public are hereby informed that a "Fair" will be held at Falakata in the sub-division of Alipur, Western Duars, district Jalpaiguri. The Fair will commence on January 22nd, 1893 (A.D.), corresponding with 10th Magh (269 B.S.), and will continue up to February 6th, 1893. Tradesmen, dealers and others may buy and sell there during this time. Blankets and cloth of sorts, wool, ivory, rhinoceri horns, yak tails, musk, honey, wax, lac, ponies, and various other articles from Bhutan and Tibet; and also tea, paddy, rice, tobacco, jute, mustard-seed, cotton and other crops which are grown in the Western Duars, will be available at the Fair. Falakata is situated on the river Moejanai, very conveniently for river traffic from East Bengal, viz., Dacca, Goalundo, Serajganj, Manikganj, etc., and within easy reach of Jalpaiguri and Kuch Bihar. A good cart and driving road exist all the way. Arrangements for good drinking water and for comfort of strangers, traders and shopkeepers, and special police arrangements for safety of property and goods, exist. Booths are also erected at Government expense for accommodating shops.

W. H. W. MACKENZIE, Sub-divisional Officer,

Alipore Duars, the 7th December 1892

**Road Cess Notification.**

AT a special meeting held on the 12th December 1892, the Pabna District Board have determined that road cess in that district for the cess year 1893-94 shall be levied at the maximum rate, viz., one-half anna on each rupee of the annual value of lands, &c., as enumerated in section 6 of the Cess Act.

G. K. DEB, Chairman.  
Pabna, the 28th December 1892.

SURESH CHANDRA BASU, B.L., intends to apply for enrolment as Vakil of the High Court.

(860-4)

DASA RATHI SANYAL, B.L., intends to be enrolled as a vakeel of the High Court.

(903-4)

**BHOGOBAN CHUNDER MOOKERJEE** intends to apply for enrolment as a Vakeel of the High Court, Calcutta. (907—4)

### Wanted

**FOR** the District Engineer's Office, Shahabad, Arrah, one Head Draftsman. Pay Rs. 50 per mensem rising by annual increments of Rs. 5 to Rs. 80 per mensem for approved service.

Applicants must be fully qualified men and competent to execute drawings from rough sketches.

Must also be good estimator.

Applications, with copies of testimonials, will be received by undersigned up to 20th January 1893.

H. EDWARDS, C.E., District Engineer, Shahabad.

Arrah, the 6th January 1893. (916—2)

### Wanted

**A CIVIL COURT AMIN** for three months on a salary of Rs. 50 (fifty) per mensem. Applications, with copies of testimonials, will be received up to the 25th instant by the undersigned, to whom the selected candidate should report himself on the 6th February 1893.

J. POSTFORD, District Judge.

Judge's Office, Faridpur, the 7th January 1893.

### In the Court of the District Judge, Saran, Chapra.

#### EXECUTION CASE No. 31 OF 1892.

Mr. Norman Cockell, decree-holder, *versus* Bahu Fattch Bahadur Singh, judgment-debtor.

**NOTICE** is hereby given that in the above case the right, title, and interest of the judgment-debtor in the undermentioned property will be sold by public auction by the Nazir of the Court in the Court premises on the 6th February 1893 at 12 o'clock noon for the realization of Rs. 37,928-5:—

Entire mahal Bhoputpore, tappa Dawlta, pargana Majhowa, district Champaran, consists of 68 mauzas, bearing tanzi No 585, and jama sadar Rs. 9,736-0-10, situate within the jurisdiction of Munsifi Motihari, thana Kasaria, and sub-registry office Motihari; estimated value Rs. 11,000. The gross income of the entire mahal is Rs. 70,000, and the net income, deducting Government revenue, &c., and cost of realisation, is Rs. 50,000.

H. W. GORDON, District Judge.

Chapra, the 5th January 1893. (920—1)

### NOTICE.

### In the Second Court of the Subordinate Judge of Backergunge.

#### EXECUTION CASE No. 201 OF 1892.

Baikunth Chandra Bhattacharjee and others, decree-holders, *versus* Golam Ahad Chaudhury and others, judgment-debtors.

**TO** be sold in the above case by the Nazir of the District Judge's Court at Barisal, at 12 o'clock on the 16th January 1893, for realization of Rs. 13,777-9, the right, title, and interest of the judgment-debtors in the following property:—

Twelve annas share of annas 13 gundas 10 kowri 2 and teels 3½, of sixteen annas of annas 8 gundas 2 kowri 2 and teels 8, belonging to Hossennuddin Chaudhury in the taluk Mahamed Saffi Chaudhury, bearing No. 1628, kismat Safipur, Jowar Ramna Banna, pargana Bozor gomedpur, of which sadar jama is Rs. 19,457-10-8. The said 12 annas share belongs to the judgment-debtors in the mortgaged property, and its sadar jama is Rs. 7,416-9-5 kr. 17 and dis. 12.

RAKHAL CHUNDER BOST, Sub-Judge, Second Court, Barisal, the 4th January 1893. (917—1)

### Notice.

**THE** District Board of Khulna, at their Meeting of the 18th November 1892, have determined to levy the road cess at the maximum rate during the year 1893-94.

B. DE, Chairman.

Chairman's Office, Khulna, the 6th January 1893.

### In the Court of the Subordinate Judge of Bhagalpur, Second Court

#### EXECUTION CASE No. 25 OF 1891.

Babu Braja Mohan Lal and others, of Mahadeo Semaria alias Ulao, pargana Milki, decree-holders, *versus* Babu Kuldip Lal, of Gola Ghat, in the town of Bhagalpur, judgment-debtor.

**NOTICE** is hereby given that in the above case the undermentioned property of the judgment-debtor will be sold by public auction by the Nazir of the District Judge's Court at Bhagalpur at 12 o'clock noon on the 6th February 1893 for realization of Rs. 80,068-12-7 due under the decree:—

Sixteen annas of each of the mauzas (1) Murli Kishenganj, (2) Raitha, (3) Laskari, (4) Mohamadpur Balia and (5) Sapardah, aslis and dakhilis, in taluka Dapdhara, pargana Chhai, police-station Kishenganj, sub-registry of Madhipura, district Bhagalpur, bearing tanzi No. 352, and jama sadar Rs. 8,203-4-3, mentioned in the decree, and correct jama sadar mentioned in the Collector's register is Rs. 8,193-1.

HAR GOBIND MUKERJI, Sub-Judge, 2nd Court.

The 31st December 1892. (913—1)

### Notice.

**THE** District Board of Midnapore have, at a special meeting held on the 3rd instant, fixed the rate at which the road cess shall be levied in the district during the ensuing year 1893-94 at six pies per rupee on the annual value of lands.

By order,

KRISHNA K. ACHARJI, Secy., Dist. Board.

Midnapore, the 5th January 1893.

### Notification.

**IT** is hereby notified that, under section 46 of the Bengal Local Self-Government Act III (B.C.) of 1885, the District Board of Tippera have determined at a meeting held on the 7th November 1892, that for the ensuing year 1893-94 the road cess in the Tippera district shall be levied at the maximum rate, viz. one-half anna or six pies in each rupee of the annual value of lands, &c.

W. B. OLDHAM, Commissioner.

Commr.'s Office, Chittagong, the 14th December 1892.

### Uncovenanted Service Family Pension Fund.

#### NOTICE.

**THE** Fifty-fifth Annual General Meeting of Subscribers of the above Institution will be held in the Town Hall on Saturday, the 28th January 1893, at 3 P.M., to receive the Report of the Directors and to consider such matters as may then be submitted.

By order of the Directors.

W. H. RYLAND, Secretary.

Calcutta, the 2nd January 1893. (914—3)

### Uncovenanted Service Family Pension Fund.

Result of votes on the proposal submitted in Circular No. 4, dated 23rd September 1892.

SUBJECT.	Yes.	No.
1. Whether Rule 8 and Bye-law 2A be modified as proposed in paragraphs 2 and 3 of the Circular.	923 wholly 13 modified	29
2. Whether Rule 26 be altered as proposed in paragraph 4.	431 .. ..	24
3. Whether the amendment to Rule 47 be made as proposed in paragraphs 5 to 7.	870 wholly 31 modified	36

By order of the Directors.

W. H. RYLAND, Secretary.

Calcutta, the 30th December 1892. (927—1)

**The Central Cachar Tea Co., Ltd.**

**NOTICE** is hereby given that an Extraordinary General Meeting of the Central Cachar Tea Company, Limited, will be held at No. 3, Mangoe Lane, on Tuesday, the 28th February next, at noon:—

(1) For the purpose of considering and, if thought fit, approving the alterations in the Articles of Association of the Company noted below, which will be submitted to the Meeting, and of making any other alterations which may be thought desirable, and in the event of the approval of the said alterations, with or without modification, or in the event of any other alterations being adopted.

(2) For the purpose of considering and, if thought fit, passing a resolution to the effect that the regulations of the Company be altered accordingly, and that the existing regulations, as so altered, be adopted as the regulations of the Company.

Any such resolution which may be passed by the requisite majority shall be submitted for confirmation as a special resolution to a second Extraordinary General Meeting to be hereafter convened.

**Proposed alterations in the Articles of Association.**

(a) The following article shall be substituted for Article 19:—

The Ordinary General Meeting of the Company shall be held yearly, at the Registered Office of the Company, in the month of March, on such date as the Directors may determine.

(b) The following article shall be substituted for Article 22:—

Seven days' notice at the least, specifying the place and the time of meeting, and the purpose for which any General Meeting is to be held, shall be given by sending letters by post to the registered address of the shareholders resident in Calcutta, and the constituted attorneys (who have registered their power-of-attorney with the Company) of the shareholders absent from Calcutta. The non-receipt of any such notice by any member shall not invalidate the proceedings at any General Meeting.

No shareholder who shall be described in the register as residing out of Calcutta, and shall have omitted to give to the Company an address for service in Calcutta, and no shareholder who shall have omitted to give his address for registration, shall be entitled to receive any notice from the Company, and no shareholder shall, by reason of his residing out of Calcutta, be entitled to any longer or other notice than shareholders resident in Calcutta.

(c) The following article shall be substituted for Article 23:—

Every shareholder shall have one vote for each share held by him.

(d) In Article 32 the word "March" shall be substituted for the word "February."

(e) In Articles 35, 36 and 37 the words "or Secretaries" shall follow the word "Secretary."

(f) Article 39 shall be cancelled, and No. 69, Table B. therein referred to, shall apply.

(g) Articles 40 and 41 shall be cancelled.

By order of the Directors,

WILLIAM MORAN & Co., Secretaries.

No. 3, Mangoe Lane, Calcutta, the 30th November 1892  
(922-1)

**The Central Cachar Tea Co., Ltd.**

**NOTICE** is hereby given that an Extraordinary General Meeting of the Central Cachar Tea Company, Limited, will be held at No. 3, Mangoe Lane, on Thursday, the 23rd March next, at 3 p. m., when the resolution or resolutions which may be passed at the Extraordinary Meeting of the Company, to be held on the 28th February, will be submitted for confirmation as a special resolution.

By order of the Directors,

WILLIAM MORAN & Co., Secretaries.  
(923-1)

**NOTICE.**

In the Subordinate Judge's 3rd Court,  
Hooghly.

SUIT No. 40 of 1892.

Bijoy Krisen Mukerjee, plaintiff, *versus* Raja Peary Mohan Mukerjee and others, defendants.

**WANTED** a Receiver under section 503, C. P. C., for the realisation, preservation, better custody and management of the undermentioned immoveable property which is the subject of the above suit, the gross collection of which is Rs. 22,680-9-10, under the following terms.

Applications for appointment will be received up to the 19th January 1893—

**CONDITIONS.**

1. The Receiver shall have to furnish security to the amount of Rs. 20,000 in cash or in Government securities.

2. The Receiver will be allowed by way of remuneration fee at the rate of 5 per cent. on the realisation, besides necessary collection charges and travelling expenses.

KADAR NATH CHATTERJEE, Sub-Judge.  
Hooghly, the 9th January 1893.

HOOGHLY COLLECTORATE.	Gross income.	Revenue payable.	Net income.
	Rs. A. P.	Rs. A. P.	Rs. A. P.
1. Lot Bahingorah, tanzi No. 39, with chakran No. 200, share 12a. 16g.	12,973 0 0	6,362 11 0	
2. Lot Mandampur, tanzi No. 11, with chakran, share 24a. out of a 7a. share	1,731 3 10	1,123 12 6	
3. Lot Khurshavi, tanzi No. 3512, share 114. 2k. 28l.	160 0 0	85 10 6	
4. Lot Digrah, tanzi No. 324, share 24a. out of a 7a. share	175 13 5	105 13 0	
Total	14,940 1 9	7,687 15 9	
<b>Puttani Taluk.</b>		<b>Rent.</b>	
1. Lot Raipur	4,782 15 7	1,993 11 9	
2. Lot Bapudhampur	499 3 7	206 0 0	
3. Lot Rajballabhati	2,117 4 0	1,541 13 6	
Total	7,399 8 1	3,741 9 8	
<b>GRAND TOTAL</b>	<b>22,480 9 10</b>	<b>11,428 9 0</b>	<b>10,977 0 10</b>
<b>Lakhraj.</b>			
Lakhraj lands in Uttarparah and other places	About 20 to 300.	.....	390 0 0
Total	22,680 9 10	11,468 9 0	11,277 0 10
Profit	.....	.....	11,277 0 10
Deducting collection cost at the rate of 5 per cent. upon the gross income Rs. 22,680-9-10	.....	.....	1,132 10 0
Total	.....	.....	10,144 6 10

(923-1) UPENDRA CHANDRA MITRA, Shari-fadar.

**Mortgage Suit.**

PRINCIPAL NOT EXCEEDING RUPEES 1,000.

**NOTIFICATION.**

**TO** be peremptorily sold by the Registrar of the Calcutta High Court, Original Civil Jurisdiction, in his room in the Court-house on Saturday, 11th February next, at the hour of 12 o'clock noon, pursuant to a decree and an order of the said Court made in suit No. 393 of 1889 (Koylash Chander Chatterjee *vs.* Bholanath Bose), and dated respectively 18th November 1889 and 2nd April 1892, the defendant's undivided half share in the following properties:—

**Lot No. 1.**—No. 48, Musjeedbarry Street in the Town of Calcutta, a two-storied brick-built dwelling-house with the parcel of rent-free land appertaining thereto, containing by estimation 4 cottahs, more or less, and bounded on the north by Musjeedbarry Street, on the east by a Government filled up drain, on the west partly by Gopal Chander Banerjee's dwelling-house



and partly by Wooma Charn Sirkar's dwelling-house, and on the south by No. 9, Ram Chand Nundy's Lane.

Lot No. 2.—No. 9, Ram Chand Nundy's Lane in the Town of Calcutta, a lower-roomed brick-built dwelling-house and the lakraj land appertaining thereto, containing by estimation 5 cottahs, more or less, and bounded on the north by No. 48, Musjeedbarry Street, on the east by a filled up drain, on the west by the family dwelling-house of Jogo Bandoo Das, and on the south by land belonging to one Behary Lal Bhaur.

The conditions of sale and the abstract of title may be seen at the office of the Registrar, High Court, Original Side, or at the office of Babu Oporbo Coomar Gangoly, attorney for the plaintiff, on any day before the sale and will be produced at the sale.

R. BELCHAMBERS, Registrar.

Oporbo Coomar Gangoly, Plaintiff's Attorney.

Calcutta, High Court, Original Side, the 29th November 1892.

(921—1)

In the Court of Babu Bhagawan Chandra Chatterji, Sub-Judge, First Court, Muzaffarpur, Tirhut.

EXECUTION CASE No. 238 OF 1892.

Rai Gunga Prasad Sing, Bahadur, decree-holder, *versus* Babus Mathura Dass, Hanuman Dass, Oudh Behari Lal, minor, Rasbehari Lal, minor, Promode Lal, minor, Birjbehari Lal, minor, through their guardian Prasali Lal, judgment-debtors.

TO be sold by the Nazir of the District Judge of Muzaffarpur in the Court premises on the 17th February at 12 o'clock the following properties of the judgment-debtors for the realisation of Rs. 4,37,366-9-2, viz—

	Estimated value.	
	Rs.	
(1) 9as. poktey share out of 16as. share in mauza Kheraj Himmatganj, pargana Haveli Darbhanga, tauzi No. 3334, Government revenue Rs. 14-11-8, area 4 acres 8 poles of the entire estate, situate in thana and zilla Darbhanga	50	
(2) 2as. 9g. 2k. 2kr. pucca share in a putti of 4as. 19g. 1k. 1kr. divided putti in mauza Gungapur, asli and dakhli, pargana Pingi, tauzi No. 1980, Government revenue Rs. 13-2-10, area 117 acres 2 roods 29 poles of the entire estate in thana and zilla Darbhanga	1,600	
(3) 2k. 2kr. 17r. pucca share out of 2k. 2kr. 1d. 17r. out of a divided putti of 1a. 4g. 2k. 2kr. in mauza Gungapur, asli and dakhli, pargana Pingi, tauzi No. 1981, Government revenue Rs. 27-1-11, area 29 acres 2 roods 29 poles of the entire estate in thana and zilla Darbhanga	25	
(4) 6as. 15g. pucca share out of 7as. 15g. share mentioned in the register out of 16as. in mauza Bhagabatipur, asli and dakhli, pargana Pindarooch, tauzi No. 2108, Government revenue Rs. 437-0-2, area 1,028 acres 3 roods 29 poles of the entire estate in thana and zilla Darbhanga	19,000	
(5) 2as. 6g. 2k. pucca share out of 7as. 3g. 1k. divided putti, situated in mauza Sakurpur Kansai, asli and dakhli, pargana Bharwara, tauzi No. 1196, Government revenue Rs. 351-2-1, and area 169 acres 3 roods 2 poles of the entire estate, situate in thana and zilla Darbhanga	2,0-0	
(6) 4as. pucca share out of 16as. in mauza Dharaniputti, asli and dakhli, pargana Farokhpur, tauzi No. 5437, Government revenue Rs. 40-14-10, and area 111 acres 1 rood 36 poles situate in thana and zilla Darbhanga...	700	
<i>Description of property.</i>		
(7) 8as. pucca share out of 16as. in mauza Yakobpur, asli and dakhli, pargana Pashimblhigo, tauzi No. 1812, Government revenue of the entire estate Rs. 65-1-1, and area of the entire estate 122 acres 2 roods situated in thana and zilla Darbhanga	1,6-0	
(8) 7as. 11g. 2k. 2kr. pucca share out of 16as. in mauza Mulhiputti, asli and dakhli, pargana Bhadwar, tauzi No. 1087, Government revenue of the entire estate Rs. 70-8-7, and area of the entire estate 672 acres 2 roods 12 poles, situated in thana and zilla Darbhanga	12,000	
(9) 2g. 1k. 1kr. 1d. pucca share out of 2g. 1k. 1kr. 1d. 10r. share mentioned in the register out of the divided putti of 5g. in mauza Sripur Bahadurpur, asli and dakhli, pargana Bhadwar, tauzi No. 1092, Government revenue of the entire estate Rs. 12-14-10, and area of the entire estate 16 acres 3 roods 36 poles, situated in thana and zilla Darbhanga	200	
(10) 2as. pucca share out of 8as. divided putti in mauza Sahpur Gondown, asli and dakhli, pargana Dharour, tauzi No. 3473, Government revenue of the entire estate Rs. 885-9-10, and area of the entire estate 1,282 acres 11 poles, situated in thana Bahera, zilla Darbhanga	15,000	
(11) 4g. pucca share out of 5g. 2k. share standing in the judgment-debtor's name out of 1a. 18g. 1k. divided putti in mauza Uzrukhey Shahpur Gondown, asli and dakhli, pargana Dharour, which is mentioned in the register as Shahpur Gondown, old tauzi No. 1580, and present tauzi No. 3639, and Government revenue of the entire estate is Rs. 8-13, and area 33 acres 80 poles purchased from Mungni Ram Das, situated in thana Bahera, zilla Darbhanga	75	
(12) 17g. 1k. 1kr. pucca share out of 16as. in mauza chak Chintamam, mentioned in the register as Chintamam chak, asli and dakhli, pargana Lowama, tauzi No. 6095, Government revenue of the entire estate Rs. 141-14-10, and area of the entire estate 181 acres 2 roods and 26 poles, situated in thana Bahera, zilla Darbhanga	200	
(13) 13g. 1k. 1kr. pucca share out of a divided putti of 2as. 9g. 1k. 2kr. 1d. in mauza Alinagar, asli and dakhli, pargana Dharour, tauzi No. 3489, Government revenue is Rs. 78-3-1, and area 167 acres 1 rood and 36 poles of the entire estate, situated in thana Bahera, zilla Darbhanga	500	
(14) 4g. 1k. 2kr. 1d. pucca share out of a divided putti of 8as. in mauza Munsara, asli and dakhli, pargana Dharour, tauzi No. 3429, Government revenue Rs. 170-10-8, and area 405 acres 1 rood 12 poles of entire estate, situated in thana Bahera, zilla Darbhanga	100	
(15) 5g. 3k. 1kr. 2d. share, being an entire divided putti in mauza Dhaunsain, asli and dakhli, pargana Lowama, tauzi No. 6092, Government revenue Rs. 14-2-1, and area 22 acres 1 rood 12 poles, situated in thana Bahera, zilla Darbhanga	300	
(16) 17g. 3k. 1d. pucca share out of a divided putti of 10as. 13g. 1k. 1kr. in mauza Shampur, asli and dakhli, pargana Dharour, old tauzi No. 9101, and present tauzi No. 8486, Government revenue Rs. 120-13-0, and area 266 acres 3 roods 25 poles of the entire estate, situated in thana Bahera, zilla Darbhanga	400	

(17) 4as. pucca share of which the <i>kham</i> share is 8as. as mentioned in the register, divided putti in mauza Simrawa, asli and dakhli, pargana Habi, tauzi No. 9482, and Government revenue Rs. 165-3-9, and area 581 acres 1 rood 86 poles, situated in thana Bahera, zilla Darbhanga ...	17,000	of the entire estate, situate in thana and zilla Muzaffarpur ...	300
(18) 8g. 2kr. 2d. 1r. pucca share out of 16as. in mauza Poonhud Jiram, asli and dakhli, pargana Dharour, tauzi No. 3375, Government revenue Rs. 283-11-1, and area 1,294 acres 32 poles of the entire estate in thana Bahera, zilla Darbhanga ...	50	(28) 8as. <i>kham</i> , which is 2as. poktey, out of 16as. putti divided, which is 4as. poktey in mauza Madapur, asli and dakhli, pargana Gurchound, tauzi No. 1776, Government revenue Rs. 42-4-10, and area 50 acres 3 roads 18 poles of the entire estate, situate in thana and zilla Muzaffarpur ...	700
(19) 5g. 2kr. 13r. pucca share out of 5g. 2kr. 13r. <i>cp.</i> standing in the register in the name of judgment-debtors out of a putti of 2as. 13g. 1k. 1kr. in mauza Simrawa, asli and dakhli, pargana Habi, tauzi No. 6576, Government revenue Rs. 110-2-6, and area 218 acres 1 rood 31 poles of the entire estate, situated in thana Bahera, zilla Darbhanga ...	100	(29) 4as. <i>kham</i> divided putti, which is 1a. 17g. 2k. share poktey in mauza Jhiktali Maghubani, asli and dakhli, tuppah Bhutsala, pargana Bisara, old tauzi No. 9423, and present tauzi No. 1885, Government revenue Rs. 61-6-3, and area 71 acres 1 rood 30 poles, situate in thana and zilla Muzaffarpur ...	4,000
(20) 1a. 8g. 1k. 2kr. 15r. pucca share out of a putti of 8as. 2k. 2kr. 2d. 1r. 11p. standing in the name of the judgment-debtors in mauza Rambhaderpur, asli and dakhli, pargana Jakhur, tauzi No. 2827, Government revenue Rs. 65-11-1, area 655 acres 33 poles of the entire estate, situated in thana Rosera, zilla Darbhanga ...	2,000	(30) 16as. divided putti, which is 1a. 5g. 3k. 1d. poktey in mauza Moostafapur, asli and dakhli, pargana Khanzadpur, tauzi No. 4061, Government revenue Rs. 24-11-0, and area 77 acres 1 rood 37 poles, situate in thana and zilla Muzaffarpur ...	4,000
(21) 3as. 10g. pucca share out of 16as. in mauza Rutwara, asli and dakhli, pargana Jakhur, tauzi No. 2839, Government revenue Rs. 286-15-1, and area 1,074 acres 1 rood 8 poles of the entire estate, situate in thana Rosera, zilla Darbhanga ...	9,000	(31) 16as. divided putti, which is 1a. 5g. 3k. 1d. poktey share in mauza Moostafapur, asli and dakhli, pargana Khanzadpur, tauzi No. 130-5, and Government revenue is Rs. 24-10-5, and area 64 acres 1 rood, situate in thana and zilla Muzaffarpur ...	2,900
(22) 4as. 3g. 1k. 1kr. pucca share divided putti in mauza Kheyra Lalpur, which is named in the register as Kheyra Mahbood Aitpur, asli and dakhli, pargana Kusma, tauzi No. 7233, Government revenue Rs. 116-12-6, and area 200 acres 2 roads 3 poles, situate in thana Rosera, zilla Darbhanga ...	8,000	(32) 16as. divided putti, which is 4as. poktey share, in mauza Inderwa, asli and dakhli, pargana Khanhowli, tauzi No. 3848, Government revenue Rs. 32-8-8, and area 163 acres 32 poles, situate in thana Sitamarhi, zilla Muzaffarpur ...	5,000
(23) 2as. 12g. 2k. pucca share out of putti 6as. in mauza Mahommedpur Aliuddin alias Rahooa, pargana Kusma, asli and dakhli, tauzi No. 5503, Government revenue Rs. 247-1-3, and area 206 acres 1 rood 19 poles of the entire estate, situated in thana Rosera, zilla Darbhanga ...	6,000	(33) 16as. divided putti, which is 4as. poktey share in mauza Bissumbharpur, asli and dakhli, pargana Teriani, tauzi No. 5816, Government revenue Rs. 68-9-7, and area 220 acres 2 roads 11 poles, situate in thana Sitamarhi, zilla Muzaffarpur ...	9,000
(24) 18g. 3k. 17r. 1p. pucca share, being a divided putti, mauza Hassanpur Sagama, asli and dakhli, pargana Sarisa, tauzi No. 8177, Government revenue Rs. 61-5-5, and area 103 acres 3 roads 28 poles, situate in thana Tajpur, zilla Darbhanga ...	10,000	(34) 16as. divided putti, which is 1a. 6g. poktey share, in mauza Shalazadpur, under Lilia, asli and dakhli, pargana Hazipur, tauzi No. 3693, and Government revenue Rs. 41-12-0, area 8 acres 25 poles, situate in thana Hajpur, zilla Muzaffarpur ...	1,000
(25) 16as. Indigo Concern Sirsia, chakla Nai, pargana Bisara, together with the outwork Mustaphapur, pargana Khanzadpur, together with indigo lands and all furniture, tools and houses and villages milkiut and tieradari, khoosk and zurpeshgi and mokrari lands, &c., appertaining to the said Indigo Concern, situate in thana and zilla Muzaffarpur ...	20,000	(35) 3as. 10g. poktey share, being a divided putti named Mathura Das Hanuman Das, in mauza Nilo Kulkunpur, standing in register C as mauza Nilo, asli and dakhli, pargana Sarisa, being a rent-free estate, old tauzi No. 700, and present No. 482, register C, area 115bg 13k. 12dh. 133k. by Civil Court partition of the putti of Mathur Das, Hanuman Das, and 466 acres 21 poles is the area of the 16as. share of the estate in thana Mahooa, zilla Muzaffarpur ...	7,000
(26) 16as. divided putti, which is 7g. 2k. poktey share of Radhanagar Mushari, asli and dakhli, chakla Nai, pargana Bisara, tauzi No. 12065, Government revenue Rs. 24-13-10, and area 28 acres 2 roads 6 poles, situate in thana and zilla Muzaffarpur ...	700	(36) 7as. poktey share, being an entire divided putti by Civil Court partition, called after Mathura Das, Hanuman Das, judgment-debtors, in mauza Ataulahpur Pujhia, which stands in register C as Ataula and Mani Bhakoorahar and Gopal Bhakoorahar, deho Altamgha, asli and dakhli, chakla Gurchoul, pargana Bisara, old tauzi No. 19 and No. 20, present tauzi No. 1, register C, rent-free area 594 acres 14 poles of the 16as. of the estate, situate in thana Lalgunge, zilla Muzaffarpur ...	13,000
(27) 4as. 11g. 1k. 2kr. 8r. 9p. 2k. share out of 16as. putti of which the poktey share is 2as. out of 7as. share in mauza Moradpur Bharat, asli and dakhli, pargana Marua Khurd, tauzi No. 4325, Government revenue Rs. 35-7-7, and area 32 acres 19 poles		(37) 16as. share in a <i>savani</i> house with land and other houses situate in mauza Kanhowligunge, one of the mohallas of the town of Muzaffarpur, as per boundaries, viz., east house of Madan Mohan Das' house, west public road, north boitakhana of Madan Mohan Das, south Jan Mahommed's house,	

- situate in thana and zilla Muzaffarpur ... 2,000
- (38) 16as. house called old kothi, situate in mohulla Kanhowligunge in Muzaffarpur, the boundaries of which are as follows, viz., west Babu Bholaprasad's house, north public road, east Sakhi Chund's house, south Sohodra Bibi's house, in thana and zilla Muzaffarpur ... 1,000
- (39) 16as. house one-storied and pucca and partly tiled in mohulla Kanhowligunge in Muzaffarpur—boundaries—south of public road, east Sher Ali's house, in which Mahommed Abdool Kasim is tenant, west of public road, north of Bholaprasad's bungalow, together with land appertaining to the same in thana and zilla Muzaffarpur ... 1,000
- (40) 16as. house outer and inner apartment and other houses and mango orchard and flower garden in the compound of the house, together with *rumna* and mukrari right in mohulla Chundwara in Muzaffarpur—boundaries—east public road, west public road, south public road, north Mirza Ahmad A's garden and lane ... 20,000
- (41) 16as. garden and bungalow in mohulla Kanhowli Bishen Dutt in Muzaffarpur, chakla Nai, pargana Bisara—boundaries—north public road, east Mohunt Ajodhia Das' garden, west Mohunt Ajodhia Das' zenait, south mango land and Gopal Ojha's garden, situated in thana and zilla Muzaffarpur ... 500
- (42) 16as. house pucca and two-storied in mohulla Kamehouk in Darbhanga, pargana Haveli, Darbhanga—boundaries—west Madan Mohun Das' house, east public road, north Luchmi Nidi's house, south Raghunath Prasad's house situate in thana and zilla Darbhanga ... 1,500
- (43) 16as. house pucca and one-storied and partly tiled, three blocks in one compound, in mohulla Sumsheregunge in Darbhanga, pargana Haveli, Darbhanga—boundaries—north road, west Bagmati river, east lane, south Appa Mis-er's house, situate in thana and zilla Darbhanga ... 1,000

BRAGWAN CHANDRA CHATTERJI, Sub-Judge.  
Muzaffarpur, the 6th January 1893. (919—1)

### INSOLVENT NOTICES.

#### *In the Court for the Relief of Insolvent Debtors at Calcutta.*

In the matter of AARON NUSSIM EZEKIEL JUDAH, an insolvent

On Wednesday, the 4th day of January instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of February next, and that the said insolvent do then attend to be examined before the said Court.

N. C. Boral, Attorney. (929—2)

In the matter of NOBO COOMAR HALDAR, an insolvent.

On Saturday, the 7th day of January instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of March next, and that the said insolvent do then attend to be examined before the said Court.

B. C. Dutt, Attorney. (930—2)

In the matter of AARON NUSSIM EZEKIEL JUDAH, of No. 67, Ezra Street, in the town of Calcutta, broker, an insolvent.

Notice that the petition of the said insolvent seeking the benefit of the Act XI Vic., Chapter XXI, was filed in the Office of the Chief Clerk on Wednesday, the 4th day of January instant, and by an order of the same date the estate and effects of the said insolvent were vested in the Official Assignee.

N. C. Boral, Attorney. (931—1)

In the matter of NOBO COOMAR HALDAR, late of Sulkea in the suburbs of Howrah, but at present residing at No. 19—1, Barranoshy Ghose's Street, Jorasanko, in the town of Calcutta, an inhabitant, an insolvent.

Notice that the petition of the said insolvent seeking the benefit of the Act XI Vic., Chapter XXI, was filed in the Office of the Chief Clerk on Saturday, the 7th day of January instant, and by an order of the same date the estate and effects of the said insolvent were vested in the Official Assignee.

B. C. Dutt, Attorney. (932—1)

In the matter of JAMES JOHN GYISE, GEORGE WILLIAM WALKER, and RICHARD JOHN RONEY DUVAL, insolvents.

On Saturday, the 19th day of November last, it was ordered that the order of adjudication against the said insolvents made in this matter, on and bearing date the 29th day of August last, be and the same is hereby revoked, and the vesting order be and the same is hereby discharged, provided always that all acts and things done by Albert Birmingham Miller, Esq., the Official Assignee of this Court, and the Assignee of the estate and effects of the said insolvents or other person acting under his authority prior to this order, shall be good and valid and shall not be annulled or in any wise affected thereby; and it was further ordered that the said Official Assignee do, upon payment of his commission, costs, charges and expenses (if any) lawfully incurred by him, deliver over to the said insolvents upon their receipt the estate and effects, moneys, goods, books and papers now remaining in his hands belonging to the estate of the said insolvents; and it was further ordered that the Chartered Bank of India, Australia and China, the adjudicating creditors of the said insolvents, do pay to the said insolvents their costs of and throughout this matter to be taxed by the Taxing Officer of this Court the amount to be allowed by the said Taxing Officer for the hearing of this matter being such sum as would be allowed if the said costs were taxed as the costs of a hearing of a suit in the High Court of Judicature at Fort William in Bengal in its Ordinary Original Civil Jurisdiction, under scale No. 2 of the table of fees of such Court.

Sanderson & Co., Insolvents' Attorneys.

Morgan & Co., Adjudicating Creditors' Attorneys.

(933—1)

In the matter of BOIKUNTHA NATH CHATTERJEE, an insolvent.

Notice that an application for an *ad interim* protection order has been this day made by the said insolvent, and that such application will be heard and disposed of by the Acting Commissioner of the Insolvent Court on Monday, the 16th day of January instant, at the hour of half-past 10 o'clock in the forenoon.

Any creditor of the said insolvent desirous of opposing such application must appear before the said Court at the time and place aforesaid.

Wilson and Chatterjee, Attorneys. (934—1)

Chief Clerk's Office, the 10th day of Jan. 1893.

#### *In the Court of the District Judge of Hooghly.*

In the matter of Abdul Jalil Kazi, an insolvent.

NOTICE is hereby given that on the 6th day of January 1893, Abdul Jalil Kazi, son of late Hafizulla Kazi of Shubpur, pargana Pykan, chauki Howrah, zilla Hooghly, was declared by this Court to be an insolvent, and his personal discharge was granted under section 351, Civil Procedure Code.

The 20th January instant is fixed for the framing of the schedule of debts and creditors. Persons having claims against the estate are to appear and prove them in this Court on the day aforesaid.

J. CRAWFORD, District Judge.

Hooghly District Judge's Office, the 7th January 1893. (926—1)

#### *In the Court of the District Judge of Pabna and Bogra.*

In the matter of the petition of Obhoy Choron Tarafdar. OBHOY CHORON TARAFDAR, son of the late Kaliprosad Tarafdar, of Diwantola, police-station Shahsadpur, district Pabna, was declared an insolvent under section 351, Civil Procedure Code, on the 19th December last, and discharged.

(918—1) J. F. BRADBURY, District Judge.

## POSTAL NOTICES.

Mails for—	Date of closing at Calcutta.	Route by which despatched.
Egypt, Europe, America, Cape Colonies through United Kingdom.	11th Jan. 1893	Per P. & O. str. from Bombay.
Ditto ditto	18th " "	Ditto.
Ditto (book-post and pattern packets).	17th " "	Ditto.
Mauritius, Malé (Seychelles), Mayotte, Nossi Be and Réunion.	11th " "	Ditto.
Zanzibar, Mozambique, Delagoa Bay, Natal and Cape Colonies.	11th " "	Ditto.
Ceylon, Straits Settlements, Netherlands India, Labuan, Bankok (Siam), Philippine Islands, China and Japan.	23rd " "	Ditto.
Australia, New Zealand and Tasmania.	23rd " "	Ditto.
Colombo and the Australasian Colonies.	13th " "	Via Bombay and Tuticorin.
Madras, Pondichery, Ceylon, Batavia, Singapore and China.	11th " "	Per French str. Nieuwen.
Colombo	11th " "	Per P. & O. str. Bengal.
Straits, China, and Japan	17th " "	Per str. A. Apear.
Rangoon and Mouatchin	17th " "	Ditto Ethiopia.
Rangoon, Moulmein, Penang, and Singapore.	13th " "	Ditto Pandua.
Akyah, Kyaukpada, Sandoway and Rangoon.	11th " "	Ditto Kasara.
Port Blair	17th " "	Via Rangoon.

*N.B.* The letter box for inland articles including articles for Burma and Port Blair and for Ceylon by land route) will be cleared for the last time for articles without the late-fee at 7 P.M. precisely; after which hour inland letters and papers fully prepaid and bearing an extra postage stamp of 3 annas will be received up to 7.30 P.M.

On the day of despatch of the Mail for Europe, the letter-box for Foreign articles will be cleared for the last time for articles without the late-fee at 8.30 P.M., and late letters and papers will be received up to 9 P.M. On other days the letter box for Foreign articles will be cleared for the last time for articles without the late-fee at 7 P.M., and Foreign letters and papers fully prepaid, bearing an extra stamp of 4 annas, will be received up to 7.30 P.M. for despatch by any Foreign mails despatched the same night.

GEO. ED. WALKER, Offg. Presidency Postmaster.  
General Post Office, the 10th January 1893.

### Unclaimed Letters held in the Calcutta General Post Office on 10th January 1893.

Anderson, Vety. Col., J.	Goldenberg, Mrs. R.
Allen George.	Jameson, G. J.
Beaugrand, M. H.	Johannis, Co., Ltd.
Borrie & Co.	Lagreo, G. T.
Briggs, Charles.	Lozenzo, Mauceri.
Buckley, Mrs. Sara.	Ogilvie, Louis.
Bushby, J.	Raedel, Charles R.
Comyn & Co.	Reich, Mr.
Comyn, A. H.	Sialkote & Co.
Dodd, Egton & Co.	Streeter Miss.
Forman, R. C. S.	Temple, Mrs. H. L.
Gardiner, Mrs.	Verink, H. L.

### Letters marked Care of "Post Office."

Addis, A.	Braumeyer, Dr. Jur Franz.
Ainsworth, Mrs.	Brower, Thos.
Allen, C. H.	Brown, M.
Anderson, Dr.	Bryan, C. H.
Andrews, H. M.	Bryden, Mrs. Edward.
Archord, H. A.	Cartwright, S. W.
Armstrong, Mrs.	Carter, Miss.
Asser, R. V.	Charliphor, M.
Augustine, S. M.	Clark, Rev. F. E.
Anson, Ernest.	Conolly, C. A.
Barrington, E.	Cook, S. G.
Beckett, Miss.	Courjon, Miss.
Barton, H. A.	Chapman, Miss, G. E.
Bell, J. Hyslop.	Crawford, H. E.
Bentley, Mrs. Walter.	Crawley, John G.
Bernhard, B.	Deamrolais, Mr.
Berry, Mrs. E. R.	DeSouza, A. S. R.
Blancueil, Henri.	Denholm, John.
Bradley, John.	Dickson, Sam.

### Letters marked Care of "Post Office."

Dohse, A.	Murphy, J. C.
Douglas, G. P. Home.	Murphy, C. E.
Drew, Thos. M.	Murphy, C. S.
Dwyer, Dr. M. O.	Murphy, M. F.
Earl, J. S.	Nation, Fred.
Edarling, J. B.	Naylor, Mrs. H. A.
Edwards, H. Western.	Newington, Mrs.
Eawns Miss M.	Newman, P.
Forsyth, Mrs.	O'Donnell Capt. A. C.
Forsyth, Dr.	Ogilvie, Louis.
Foster, H. E.	Otton, S. D.
Foster, E. J.	Parrott, General B.
Freedman, J. J.	Peatling, T. H.
George, J., Esq.	Photographic Apparatus
Garrett, E. L.	Manufacturer.
Gordon, Douglas.	Platt, Heylyn.
Gush, John A. D.	Platt, H. J. H.
Graydon, N. A.	Pretty, R. N.
Haughton, E.	Pryce, A. E.
Harris, Gordon.	Pyle, Mrs. H. C.
Harwood, H.	Reilly, Mrs. E. A.
Head, J. Alban.	Reincy, H. J.
Hennessy, A.	Raja of Chamba, H. H.
Hosie, John.	Reichlin, Baron.
Houston, U. K.	Roberts, Mrs. R.
Hunter, C. H.	Roberts, Capt. R. T.
Isanes, Elias H.	Robinson, Mrs. E. A.
Jahel, B. G.	Roggs, C. W.
Jackson, Miss Amy.	Savi, Henry.
Johnson, Miss Clacie.	Saxby, Frank.
Johnston, Mrs.	Serebrenk, M.
Kane, R. J.	Stebbing, Capt. A.
Kean, R.	Schmidt, H., Esq.
Kidd, Dr. C. E.	Shaw, Mrs.
Kinahan, C. J.	Shillingford, Mrs.
Lawrence, Lincoln.	Slack, J. H.
Lobo, M. B.	Skinner, G. E. C.
LeFeuvre, John.	Smith, T. D.
Len, J. W.	Sinclair, Henry.
Le Plastrier, C. A.	Solm, Mrs. M.
Lynch, C. P.	Stack, Mr.
Lyons, B.	Summers, Mr. T.
Macaulay, Capt. M.	Taylor, Wm.
Maclean, F. H.	Thompson, L.
Madden John.	Van Opstal, L. S.
Mann, John.	Walker, H. R.
McDonald, D. M. K.	Walker, H. deR.
McCartie, Surgeon-Major.	Ward, G. W.
McMahon, Esq.	Watts, Miss.
Medd, G. H.	Walshe, M. A. S.
Meldegge, Baron, R. V.	Webb, K. T.
Menzies, C.	Weir, W. H.
Merz, Charles.	Whitelaw, John.
Mittar, Mrs. C. H.	Wichmann, Baron.
Monteah, J. H.	Wilson, Dr. Geo. A.
Munro, Miss.	Zeplin, Mr. or Mrs. Thos.

### Registered Letters.

Gay, R.	Newington, D.
Guest, Esq.	Patterson, A. B.
Gregory, John.	Payr, L. V.
Louden, Mrs. Jessie J.	Smith, Adam

### Unclaimed Letters held in the Barrackpore Post Office on the 9th January 1893

Bradley, Miss.	Power, Miss M.
Braddon, C. J. S.	Robinson, W. H.
Cock, G. H.	Stephen, Dr.
Finlay, Mrs. J. F.	Stewart, Col. J. N.
Mann, P. W.	Williams, Gunner.
Palott, Mrs.	

G. E. WALKER,  
Offg. Presidency Postmaster, Calcutta.

**A Manual of Tibetan, being a Guide to the Colloquial Speech of Tibet, in a series of progressive Staff Corps, Late Deputy Commissioner of Darjeeling, Price Rs 6; postage, 3 annas.**  
Copies are to be had at the Office of the Director of Public Instruction.

**Annual Statement of the Seaborne Trade and Navigation of the Bengal Presidency and of its Chief Port (Calcutta), and each of its Subordinate Ports (Chittagong, Balasore, Cuttack, Pooree, and Narain-gunge) Volumes I and II. Price Rs. 20 for 1891-92, Published at the Calcutta Custom House. Previous years volumes can also be obtained at the same price.**

## Nadia Rivers.

Report showing the least depths of water for the week ending Friday, the 6th January 1893.

Name of river.	Reach of river.	Least depth of water soundings.	REMARKS.
		Ft. In.	
Mandirahi.	Entrance from Ganges ...	3 3	
	Thence to Nurpur ...	2 0	Modunpur.
	From Nurpur to Jungipur ...	1 9	Nurpur.
	„ Jungipur to Berhampur ...	1 9	Itahia.
	„ Berhampur to Cutwa ...	2 3	N. gore.
Bhuyar-Jalangi.	„ Cutwa to Nadia ...	2 6	Meteari.
	Entrance from Ganges ...	6 3	
	Thence to Akrisanj ...	3 9	
	Akrisanj to junction of the Bhuyar and Jalangi ...	4 0	Paherpur.
Mathabanga.	Thence to Patkubari ...	4 0	Tintola.
	Patkubari to Nadia ...	4 0	Saroopganj.
	Entrance from Ganges ...	0 0	
	Thence to Chynpara ...	0 1	Chynpara.
	From Chynpara to Shikarpur ...	0 2	Chynpara.
	„ Shikarpur to Bonia ...	0 6	Shikarpur.
	„ Bonia to Chuidanga ...	2 6	Chuidanga.
	„ Chuidanga to Kosen-gouj and Hanskhali ...	2 6	Chapra.

## Gauge Readings.

	Locality.	Date.	Hour.	Height above zero.	Height above mean sea-level.	REMARKS.
Ganges ...	Sahebganj ...	7-1-93	A.M.	6	108	62' 8
	Rampur Bonia ...	7-1-93	12	5' 52	42' 52	
	Entrance of Bhagurathi ...	7-1-93	7	4' 70	56' 01	
	Entrance of Bhuyar-Jalangi ...	7-1-93	...	6' 20	46' 26	
Bhagirathi Jalangi ...	Entrance of Mathabanga ...	7-1-93	...	3' 30	...	
	Berhampur ...	7-1-93	12	3' 58	57' 03	
	Kisinsghur ...	8-1-93	...	3' 12	19' 31	
Mathabanga.	Sarupganj ...	7-1-93	6	3' 00	11' 30	
	Hanskhali ...	7-1-93	...	2' 04	12' 39	

C. E. LIVERAY, C.E.,

Exc. Engr., Nadia Rivers Division.

Berhampur, the 9th January 1893.

## The Indian Law Reports.

Published under Authority.

THE Indian Law Reports, published under the authority of the Governor-General in Council, appear in monthly parts, published as soon as possible after the first of each month at Calcutta, Madras, Bombay, and Allahabad, and comprise four series—one for the Calcutta High Court, a second for the Madras High Court, a third for the Bombay High Court, and a fourth for the Allahabad High Court. The cases heard by the Privy Council on appeal from each High Court are reported in the Series for that High Court. Cases heard by the Privy Council on appeal from Provinces in India not subject to any High Court are reported in the Calcutta Series.

The Calcutta Series is distributed by the Bengal Secretariat, and the Madras, Bombay, and Allahabad Series are distributed direct from Madras, Bombay, and Allahabad respectively.

In supersession of the previous advertisements, on and from the 1st January 1893 the terms of subscription and sale will be as follows for current issues as well as for back numbers of the Reports from 1870:—

Terms of subscription payable annually in advance.

For the complete series, including postage, Rs. 22-8.

	Without postage.	With postage.
	Rs. A. P.	Rs. A. P.
For the Calcutta Series ...	10 0 0	2 8 0
„ each of the Madras, Bombay, and Allahabad Series ...	6 0 0	7 0 0
„ a part of the Calcutta Series purchased separately (inclusive of postage in India) ...	...	2 0 0
„ a part of each of the Madras, Bombay, and Allahabad Series purchased separately (inclusive of postage in India) ...	...	1 0 0

The following is the rate at which deductions will be made for parts out of print and at which duplicate copies will be supplied to subscribers when required in place of copies lost in transit.

For town. For mofussil.

	Rs. A. P.	Rs. A. P.
For the Calcutta Series, per copy ...	0 8 9	0 10 3
each of the Madras, Bombay, and Allahabad Series, per copy ...	0 5 3	0 5 9
„ the Calcutta Series. For the year ...	7 2 6	8 6 3
„ each of the Madras, Bombay, and Allahabad Series. For the year ...	4 4 6	4 11 3

Persons desiring to subscribe for or purchase the Report should apply to—

Superintendent, Government Press, Madras.

The Superintendent, Government Central Press, Bombay.

„ Curator of Government Books, North-Western Provinces and Oudh.

„ Superintendent of Government Printing, Bengal.

Orders and subscriptions for 1892 should be at once registered and remitted by money-order payable to the Accountant and Treasurer, Bengal Secretariat, Calcutta.

ADVERTISEMENTS will be received for publication on the wrappers of the Indian Law Reports, Calcutta Series, at the following rates, payable in advance—

	One page.	Half page.	Quarter page.
	Rs. 20	Rs. 14	Rs. 9
For one issue ...	55	38	24
„ three issues ...	100	68	45
„ six „ ...	145	96	64
„ nine „ ...	180	120	80

SEVERAL volumes of the BENGAL LAW REPORTS, from August 1868 to December 1875, and FULL BENCH RULINGS, Parts I and II, are available at the following rates:—

	Without postage.	With postage.
	Rs. A. P.	Rs. A. P.
Bengal Law Reports for one year ...	20 0 0	22 8 0
Single copies, Rs. 2 per copy.		
Full Bench Rulings, Parts I and II ...	20 0 0	22 8 0

Bengal Secretariat Press, 19, Lyon's Range, Calcutta.

Remittances to be forwarded to the Accountant and Treasurer, Bengal Secretariat, Writers' Buildings, Calcutta.

## Notice.

NOTICE is hereby given that the terms for the purchase of publications from the Bengal Secretariat Press, except for Government offices or offices under the control of Government Officers are strictly cash and on no other terms will any publication be supplied, or advertisement, notice, &c., inserted in either of the Gazettes.

In the case of insolvency notices, cash must be sent with such notices when forwarded by Mofussil courts or offices, and for those forwarded by the Official Assignee cash must be paid on presentation of memorandum of cost by the Accountant and Treasurer, Bengal Secretariat.

Remittances in postage stamps should be accompanied by an addition of one anna in the rupee on account of discount.

## Notice.

The 29th March 1886.—The subscription to, and postage for, the Calcutta Gazette will henceforth be at the following rates, payable in advance:—

For the Mofussil.

	Per annum.		Per annum.
	Rs. A. P.		Rs. A. P.
Entire Gazette ...	15 0 0	Parts* III, IV, V,	
Postage ...	6 0 0	and VI ...	5 0 0
Supplement ...	6 0 0	Postage ...	2 8 0
Postage ...	3 0 0		
Parts I or II ...	6 0 0	For a single copy—	
Postage ...	2 8 0		
Part ...	2 0 0	Entire Gazette ...	0 8 0
Postage ...	1 12 0	Postage ...	0 2 0
Part IB ...	8 0 0	Supplement ...	0 4 0
Postage ...	2 0 0	Postage ...	0 1 0

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For Calcutta.

The same rates as those for the Mofussil, with the exception of the charge for postage.

\*Containing the Acts and Bills of the Legislative Councils of India and Bengal.

NOTE.—Rate for advertisements in the Calcutta Gazette—

Full page, per issue ... Rs. 20

Half „ „ „ „ „ 10

Casual advertisements 4 annas per line.

It is hereby notified, for general information, that subscription to the complete series of the Indian Law Reports should be registered during the first three months of each calendar year. Subscribers are therefore requested to send in their subscriptions of the complete series before the 31st March in each year. Those who register their names after that date will understand that copies will be supplied only if available.

The List of Books available for sale at the Secretariat Press will in future be published once only in each month. Spare copies of the List will, however, be kept in stock ready for issue on receipt of applications for them.



# SUPPLEMENT TO The Calcutta Gazette.

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WEDNESDAY, JANUARY 11, 1893.

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## OFFICIAL PAPERS.

*Abstract of the Proceedings of the Council of the Lieutenant-Governor of Bengal, assembled for the purpose of making Laws and Regulations under the provisions of the Act of Parliament, 24 and 25 Vic., Cap. 67.*

The Council met at the Council Chamber on Saturday, the 7th January, 1893.

### Present:

The HON'BLE SIR CHARLES ALFRED ELLIOTT, K.C.S.I., Lieutenant-Governor of Bengal, *presiding*.  
 The HON'BLE J. T. WOODROFFE, *Offg. Advocate-General*.  
 The HON'BLE T. T. ALLEN.  
 The HON'BLE H. J. S. COTTON, C.S.I.  
 The HON'BLE H. H. RISLEY, C.I.E.  
 The HON'BLE J. LAMBERT, C.I.E.  
 The HON'BLE H. LEE.  
 The HON'BLE DR. MAHENDRA LAL SIRCAR, C.I.E.  
 The HON'BLE A. H. WALLIS.  
 The HON'BLE MAHARAJAH SIR MAHENDRA KISHORE SING BAHADUR, K.C.I.E.  
 The HON'BLE GONESH CHUNDER CHUNDER.  
 The HON'BLE P. PLAYFAIR.  
 The HON'BLE MAULVI SYED FAZL IMAM, KHAN BAHADUR.

### NEW MEMBER.

The HON'BLE MAULVI SYED FAZL IMAM, KHAN BAHADUR, took his seat in Council.

### STATEMENT OF THE COURSE OF BUSINESS.

THE HON'BLE THE PRESIDENT said:—"Gentlemen, I wish to make a brief statement regarding the prospects of legislative business during the present cold weather session. We have at present before us only two Bills—the Fire-Brigade Bill, and the Bill for amending the Municipal Act of 1884. You are all aware that, in consequence of the passing of the Indian Councils' Act, it is intended to introduce considerable changes into the Council of the Bengal Province, as well as those of the other provinces, and, possibly, the Supreme Legislative Council also; and, as soon as practicable, I understand that the Government of India intend to issue for our guidance the rules under which the business of the new and enlarged Councils will be carried on, and at the same time to instruct us to the extent to which this Council is to be enlarged, and the manner in which representatives are to be appointed to the Council. It seems to me, therefore, better on every ground that any legislation which affects the province at large, and is of great general importance, should be postponed until it can be dealt with by the enlarged and revised Council. But the Fire-Brigade Bill is one of purely local interest, and the interests which are concerned in it are interests which, I understand, will be represented in much the same way in the revised Council as they are now. I believe, for instance, that it is intended that the Calcutta Municipality shall be represented in the enlarged Council; and for that reason I obtained sanction to the appointment to the Council of the Chairman of the Calcutta Corporation to represent the municipality while the present Bill is under discussion, in order that the municipality may not be worse off, but may be as fully represented now as hereafter. I propose, therefore, that as soon as the Select Committee have disposed of

the business, and revised the Bill in the manner that seems best to them, we should proceed with the Bill as early as possible.

“ But the Municipal Bill should not be carried further till the Council is revised and enlarged; and with regard to the Municipal Bill, I have to make a short statement as to the intentions of Government in dealing with it. A very large amount of official literature has come in, dealing with the proposed amendments, and these have been under the consideration of the Government; and it seems to me desirable, without in any way interfering with the authority of the Select Committee, that on any points on which the Government has come to a definite conclusion as to the manner in which the amendments proposed shall be dealt with, it would be desirable to facilitate the work of the Select Committee by announcing that decision, and so save them the trouble of discussing any points on which the Government has already decided. There has been a good deal of discontent and remonstrance against the Bill, as interfering with the principles of Local Self-Government, and as being a restrictive and reactionary step, putting the municipalities in a worse position than they were originally put when the present Act was passed in Lord Ripon's time. The sections which mainly come under these remonstrances, and which interfere, or seem to interfere, with the independence of municipalities, are six in number. Under section 4 Government reserves the power to alter the boundaries of a municipality, and to separate from a municipality any areas of land which seem to be unsuitable for municipal administration. At present that power rests only with Municipal Commissioners themselves, and, therefore, taking that power out of their hands, and placing it in the hands of the Government—or rather, not taking it out of their hands, but giving Government the power to act, in places where the municipalities are unwilling to do so—is distinctly an interference with municipal independence. Section 12, sub-clause 4, gives Government the power of placing any municipality in the 2nd Schedule, that is, of removing its power to elect its own Chairman, and to appoint an official Chairman instead. Section 25 gives Government the power to sanction the election of a Vice-Chairman, whereas at present no such sanction is required. These sections are those to which my attention has been specially called, as being the sections most seriously remonstrated against, and which have borne the brunt of a very large portion of the criticism to which this measure has been subjected. It was stated by the HON'BLE MR. RISLEY, when introducing the Bill, and by myself, on more than one occasion, that no serious interference with the authority of Municipal Commissioners was intended; and that Government only intended to use these powers when absolutely obliged to do so, and that they were introduced as being a less serious interference with Municipal liberty than the course provided for such emergencies by the present law. Under sections 65 and 66 of the present law, the Government has larger powers than it would generally desire to use when dissatisfied with the way a municipality is conducted, and when it seems to be necessary to remove the Chairman and appoint an official Chairman. Under the old law the only way was to practically destroy the municipality and reconstruct it. We thought that it was desirable and would not be unpopular to provide a gentle mode of interference than this, but the result shows that we were mistaken, and on further consideration we think it is not necessary to persevere in the proposal. I think you will all agree that it is right and wise of the Government to take note of the objections of those principally concerned; for no Government would act prudently in insisting on reforms distasteful to the majority of those concerned, so long as it was satisfied that the administration could be satisfactorily maintained by taking any other course. We have, as I said, received communications from a great number of quarters, and some of these have particularly attracted any attention, as they are not the representations of the Municipal Commissioners themselves, who might be supposed to be too captious or too ready to discern a slight to their authority which was not intended. I refer to those bodies who represent the public, or certain sections of the public, at large. We have, for instance, received memorials from the Bengal National Chamber of Commerce, from the Bhagalpur Landowners' Association, from the Indian Association, and from the Barrackpore People's Association, all of which have considerable importance and authority. The unanimous tone adopted by all these Associations is that the election of their Chairman is a privilege which is prized above all others by the Municipal Commissioners and the people they represent in the administration of municipalities, and they have represented that no sort of opposition has been shown by the municipalities where the Government has laid its finger on any faults, but that the municipalities have always shown themselves ready and willing to correct these



is quite accurate. There were two difficult cases brought before the Government at the time these amendments were introduced—one a case of the choice of an unsuitable Chairman, and the other a case of the inefficiency of a Chairman. In both of these cases the Municipal Commissioners showed a reasonable spirit in accepting the remonstrances of the Government; in the one case an efficient non-official has since been elected, and in the other the appointment of an official Chairman has been asked for. Since this Bill was introduced there have been similar occurrences in Howrah, Arrah, Raniganj, Puri, and Jessore. In all of these it seems to me that the Municipal Commissioners have shown a spirit of tact and concession. In the first four places I have mentioned, the Commissioners agreed to the appointment of an official Chairman till such time as the malpractices or inefficiencies complained of were corrected; and in the Jessore case they at once dismissed the Chairman complained of, and have appointed a thoroughly efficient non-official gentleman in his place. It is the bounden duty of Government to take notice of facts like these, and therefore we came to the conclusion that these two sections of the amending Bill might be dropped, and that we might rely in future, as we have done before, on the stronger coercive sections 65 and 66, to which I have referred—sections which can be employed as a last resource, but which it is seldom necessary for the Government to make use of. I think it also right to inform you that, after we had come to this decision, a despatch was received from the Secretary of State to the Government of India bearing on the same subject. He took very much the same line as I have just mentioned, as representing the course of opinion in my own mind, and considered the sections undesirable, and desired that we should withdraw them. It is right you should know this, and that the public should know it. Our course is very much facilitated by this communication, and we feel strengthened by the knowledge that the Secretary of State has come to the same conclusion as the Government had done independently. There are three other sections which I wish to mention here, which tend in the same direction. Section 29 authorises the appointment of a special officer to put municipal accounts in order, in cases where the auditing officer complains of those accounts being in an unsatisfactory condition, and considers such an appointment absolutely necessary. Section 31 deals with the appointment of assessors; it takes the assessment of taxes upon persons or houses altogether out of the hands of the Commissioners, and places them in the hands of an independent assessor. I have given this matter great consideration, and you are possibly aware that, in addressing a municipality recently in Chota Nagpur, I threw out a suggestion as to amending the Act in such a way as to provide for the appointment of an assessor only when complaints were made by Magistrates and when the Commissioner of the Division agrees that such a course was necessary. This is not a point on which Government has come to any definite conclusion, but desires to be guided by the deliberations of the Select Committee and of the Council. In all matters concerning the independence of the municipalities, and which have given rise to complaints, to the effect that Government is interfering unnecessarily with the powers of municipalities, or is taking a reactionary step, not justified by absolute necessity, the Government desires to be guided by the views of the Select Committee, in the first place, and by this Council in the second; and I hope you will consider this matter in that light, understanding that the Government places itself in your hands, and does not desire to do anything in the restrictive line, which the united wisdom of this Council does not consider necessary for the purpose of good administration. I trust, as far as I can foresee, that in the course of next month, the Council will be reconstituted under rules issued for our guidance; and that we shall then proceed to the discussion of the Municipal Bill, treating it in the spirit I have described to you."

#### BENGAL MUNICIPAL ACT, 1884, AMENDMENT BILL.

THE HON'BLE MR. RISLEY moved that the Bill to amend the Bengal Municipal Act, 1884, be referred back to the Select Committee for consideration and report.

The Motion was put and agreed to.

THE HON'BLE MR. RISLEY also moved that the Hon'ble Maulvi Syed Fazl Imam be added to the Select Committee on the above-mentioned Bill.

The Motion was put and agreed to.

The Council adjourned *sine die*.

C. H. REILY,

*Assistant Secretary to the Government of Bengal,  
Legislative Department.*

CALCUTTA;  
The 10th January, 1893.



## THE CANAL REVENUE REPORTS FOR 1891-92.

No. 251A.

GOVERNMENT OF BENGAL.—PUBLIC WORKS DEPARTMENT.

IRRIGATION.

Accounts.

Dated Calcutta, the 7th January 1893.

RESOLUTION.

READ—

The Canal Revenue Reports for 1891-92, and the Chief Engineer's note on the same.

There are now in actual operation in Bengal 916 miles of canal, of which 495½ miles are for irrigation and navigation, 242½ miles are for irrigation only, and 178 miles are for navigation only. From the irrigation canals 2,381 miles of distributary channels are taken off. The total area commanded by the canals is 2,488,781 acres, the area irrigable in the present state of the works is 1,480,251 acres, and the area actually irrigated during the year was 742,346 acres, the crops grown on which were valued at Rs. 2,15,13,358. The number of boats plying in the canals during the year was 2,54,870, carrying goods of the aggregate value of Rs. 14,35,09,851.

2. The total outlay, direct and indirect, on canals in Bengal of which capital and revenue accounts are kept, has up to date been Rs. 7,36,27,728. Of this sum, Rs. 6,03,74,079\* have been charged to loan funds, Rs. 1,04,00,175\* have been provided from Provincial revenues, and Rs. 8,66,000 have been contributed by the Imperial Government from Famine Relief and Insurance Funds.

The outlay on each canal chargeable to capital account to date and during the last two years, is shown in the table below:—

WORKS.	DURING 1890-91.			DURING 1891-92.			TO END OF 1891-92.		
	Direct charges.	Indirect charges.	Total.	Direct charges.	Indirect charges.	Total.	Direct charges.	Indirect charges.	Total.
1	2	3	4	5	6	7	8	9	10
<i>Major Irrigation Works.</i>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Orissa Canal ..	3,31,706	6,672	3,38,378	3,86,740	8,042	3,94,782	2,40,00,000	5,54,230	2,51,00,000
Midnapore Canal ..	(- ) 135,890	159	(- ) 135,731	14,100	..	14,100	82,58,711	1,84,131	84,42,844
Hidkollee Tidal Canal ..	1,62,894	5,937	1,68,831	2,34,918	6,900	2,41,818	22,32,705	50,508	22,80,213
Sone Canals ..	1,71,361	2,793	1,74,154	2,01,008	5,191	2,06,199	2,57,32,004	0,10,551	2,57,42,555
Total ..	6,10,161	14,661	6,24,822	5,42,225	20,141	5,62,366	6,09,30,176	17,65,422	6,25,35,508
<i>Minor Works and Navigation.</i>									
Tirhut Project ..	.....	.....	.....	.....	.....	.....	5,31,425	74,650	6,06,075
Damuda Project ..	(- ) 11,200	.....	(- ) 11,200	(- ) 11,200	.....	(- ) 11,200	1,47,511	10,230	1,57,741
Calcutta and Eastern Canals ..	5,013	80	5,093	(- ) 10,329	2	(- ) 10,327	82,22,543	01,027	82,23,570
Orissa Coast Canal ..	17,212	852	18,064	3,940	(- ) 165	3,775	42,38,000	1,02,053	43,40,053
Sarna Canals ..	.....	.....	.....	.....	.....	.....	6,80,070	27,183	7,07,253
Total ..	21,625	932	22,557	(- ) 7,569	(- ) 163	(- ) 7,732	1,09,10,078	2,82,052	1,11,92,130
GRAND TOTAL ..	6,31,786	15,593	6,47,379	5,34,656	20,078	5,54,734	7,10,40,254	19,87,474	7,30,27,728

3. The completion of the Orissa Canals has, for various causes,—chiefly delay in preparing the requisite detailed plans and estimates,—been retarded. As stated in last year's Resolution, detailed estimates had then for the most part been sanctioned, and the progress during the year under review has been more satisfactory. During the visit of the Lieutenant-Governor to Orissa in February 1892, the extent to which distributary channels and subsidiary works are to be allowed was finally settled, and revised estimates were submitted to the Government of India immediately after His Honour's return to Calcutta, providing for the expenditure of Rs. 12,38,020 from the 1st April 1892. These estimates have lately been sanctioned by the Secretary of State. It is expected that the canals and subsidiary works will be practically completed by the 1st April 1895. The Talpanda Canal Extension was opened on the 16th of July 1891, and there are now two distinct lines of navigation from Cuttack to the seaboard. The principal works finished in 1891-92 were the Paradeep lock and the Barera weir. During the year 24½ miles of canal and 125 miles of distributaries were opened, and the irrigable area increased by 55,993 acres.

The Midnapore Canal is complete, the only expenditure incurred during the year debitable to capital account being for dredging plant.

\* Exclusive of indirect charges amounting to Rs. 19,87,474.

The extensive remodelling scheme sanctioned in 1888-89 for improving the Hidgellee Canal has, with the exception of two works, been carried out. The canal bed has been lowered, and two new supply sluices leading into long feeder channels, in which the silt will be deposited instead of in the canal itself, have been completed. The new pipe across the Russulpore river and the reconstruction of the Kalinagar lock yet remain to be taken in hand: these works have been postponed partly owing to the difficulty in providing funds, and partly owing to the deterioration of the Russulpore river, which appears to have now ceased in consequence of the construction of the Balliaghye outfall drain.

The Sone Canals are practically complete, the works still remaining to be executed being in connection with village channels and drainage. An estimate providing for the expenditure of Rs. 7,05,707 from the 1st of April 1891, was submitted to the Government of India on the 8th June 1892, and it is understood that it has lately been sanctioned by the Secretary of State. This estimate provided for the surrender of Rs. 16,54,994 on the estimate for the complete scheme sanctioned in Government of India's letter No. 1187, dated 17th March 1883, for Rs. 2,78,88,697.

4. The revenue accounts of the four canal schemes, classed as Major Irrigation Works, are shown in the table below:—

PARTICULARS.		YEAR.				
		1887-89.	1888-89.	1889-90.	1890-91.	1891-92.
1		2	3	4	5	6
Receipts	Irrigation ... ..	Rs. 7,44,292	10,01,937	11,32,003	9,19,002	11,61,967
	Navigation ... ..	2,93,688	3,31,138	3,31,443	3,27,029	3,71,339
	Miscellaneous ... ..	61,040	63,294	53,710	49,739	69,384
	Total receipts ...	11,03,320	13,94,369	15,21,274	13,46,727	16,09,710
	Deduct refunds of revenue ...	16,149	13,190	16,800	7,549	4,102
	Net receipts ...	10,87,171	13,81,179	15,04,474	13,39,141	15,95,608
Working Expenses	Works and repairs ...	8,04,069	7,34,079	6,54,151	6,30,614	6,13,104
	Engineering establishment ...	3,06,702	3,20,501	3,26,911	3,02,952	3,55,082
	Revenue and navigation establishment ...	3,38,539	2,67,981	2,71,102	2,61,838	2,71,835
	Tools and Plant ... ..	79,126	82,270	82,091	79,804	1,00,320
	Other items ... ..	84,754	62,395	91,444	89,545	87,844
	Total Working Expenses ...	15,72,170	14,87,216	14,22,368	14,92,136	14,87,935
	Net revenue ...	—4,85,000	—1,06,116	82,106	—92,995	1,00,673
	Charges for interest ...	23,13,446	23,34,440	23,65,030	23,67,119	24,16,363
	Deficit ...	27,98,446	24,40,565	23,82,924	24,80,114	22,55,690
	Rate per cent. on capital outlay ...	4.68	4.01	3.71	4.02	3.60

The result of the year's operation is a surplus above working expenses of Rs. 1,60,763, the interest charges amounting to Rs. 24,16,363.

The year's gross revenue is the highest yet earned, and the net revenue has only been exceeded in one year, 1885-86, when it amounted to Rs. 3,75,981. In that year, however, instead of, as at present, the actual cost of establishment employed on the works being charged thereto, 23 per cent. on the cost of the works themselves was debited, the balance being charged to buildings and roads. The statement below shows clearly how this item affects the accounts:—

YEAR.		WORKING EXPENSES.				
		Receipts less refunds.	ESTABLISHMENT.		Works and repairs.	Total.
			Direction and executive.	Revenue.		
1		2	3	4	5	6
1883-86	...	Rs. 16,74,372	Rs. 1,52,856	Rs. 2,43,850	Rs. 6,64,961	Rs. 11,99,391
1891-92	...	16,98,608	3,55,683	2,71,935	6,13,104	14,37,935

Making allowance for the extra establishment charges which, under present rules, would have been debited to working expenses, the net revenue in 1885-86 would have been reduced to Rs. 1,83,258, against Rs. 1,60,673 in the year under review. The collections in 1885-86, it may be added, were largely swollen by the collection of arrears, as will be obvious from the following statement further comparing the results of the two years:—

YEAR.	Balance at commencement of year.	Assessments.	Total.	Remissions.	Collections	Balance.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1885-86 ...	8,94,121	10,32,826	19,26,947	1,82,105	12,03,714	5,41,128
1891-92 ...	4,72,113	11,42,334	16,14,447	48,341	11,61,986	4,04,120

The assessments represent the demands received by collecting officers during the financial year, and not the amount due on the area irrigated during the year, which the Lieutenant-Governor desires may be prominently brought forward in future. On the information available, the amount earned was Rs. 10,26,500 in 1885-86 and Rs. 13,73,844 in 1891-92.

5. There has been, more especially in the case of the Sone canals, great improvement made in the accuracy of the assessments, as well as in the promptitude with which recoveries have been made, as will be evident from the table below, which includes the three great irrigation projects, and extends over seven years:—

YEAR.	Balance at beginning of year.	Balance at end of year.	Remissions, including cancelled demand statements and extraordinary remissions.	Irrecoverable items.
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1885-86 ...	8,84,289	5,33,175	1,41,162	41,229
1886-87 ...	5,33,175	3,69,789	57,375	22,612
1887-88 ...	3,69,789	5,59,883	32,356	19,796
1888-89 ...	5,59,883	5,79,987	42,666	14,074
1889-90 ...	5,79,987	5,09,188	80,282	20,592
1890-91 ...	5,09,188	4,72,113	48,674	16,476
1891-92 ...	4,72,113	4,04,120	38,421	12,126

For the remissions other than extraordinary and cancelled demand statements the engineers are mainly responsible, except in Orissa, where, under a system which has now ceased, large areas were included in leases, and, if not irrigated, yearly remissions granted. In the case of the Sone Canals, the balance at the end of the year has fallen from Rs. 6,95,208 in 1885-86 to Rs. 1,11,444 at the end of 1891-92. The amounts remitted by the Engineers or written off by the Collector as irrecoverable have fallen from Rs. 1,27,830 in the former to Rs. 17,427 in the latter year. In the Patna district, the arrears in which for several years had been increasing, the balance at the close of the year was Rs. 29,153, against Rs. 93,744 at its commencement: for this reduction credit is mainly due to Babu Siva Sankar Singh, who was specially deputed from

Shahabad to take charge of the collections. He has since been promoted to be an Officiating Deputy Collector. Sir Charles Elliott desires that, in future reports, the dates on which demand statements are received, whether within the time fixed or not, may be stated, and a comparison made between the amounts assessed by due date, and those in which they are in arrears. Recurrent assessment on long leases will be included in the former figures, as the object is to ascertain the sums which could, with proper energy, be collected within the year.

6. A change of some importance was made in the administrative arrangements for collections in respect to the irrigation revenue derived from the Sone Canals. The establishments in the three districts of Shahabad, Patna and Gaya have been amalgamated and placed in charge of a Deputy Collector, instead of as formerly being dealt with by separate establishments under the control of the District Collectors. The Deputy Collector is placed in charge of what is known as the Revenue Division, exercising powers corresponding with those of an Executive Engineer; but as regards legal and some other matters, he remains under the supervision of the Collectors of the several districts. The principle followed has been to place the entire responsibility of assessments and collections on the Irrigation Department, and more especially on the Superintending Engineer, whilst retaining in the hands of Collectors the fullest powers to secure justice to individuals who may be aggrieved by these assessments. Since the close of the year under review, a revenue division, in charge of a Deputy Collector, has been established in Orissa, and arrangements approximating to those in force in Bihar introduced there.

7. The revenue derived from irrigation for the last five years has been shown in paragraph 4 of this Resolution. The following table shows the areas under irrigation :—

	ORISSA CANALS.				MIDNAPORE CANAL.				SONE CANALS.				TOTAL.			
	Kharif.	Rabi.	Perennial.	Total.	Kharif.	Rabi.	Perennial.	Total.	Kharif, including five-year leases.	Rabi and hot weather.	Perennial.	Total.	Kharif.	Rabi.	Perennial.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
1887-88	108,867	502	187	109,556	85,866	...	...	85,866	250,428	89,045	25,007	313,580	680,345	25,007	1,402	406,750
1888-89	156,319	2,779	114	159,212	66,408	3,300	...	69,777	239,805	100,162	16,872	353,900	504,219	75,165	4,794	584,178
1889-90	186,564	8,867	162	195,593	64,370	440	...	64,810	230,711	65,613	19,024	305,388	508,880	22,673	3,168	534,719
1890-91	175,829	4,250	223	180,302	82,002	...	...	82,002	211,726	61,318	17,070	281,014	513,811	24,881	4,022	543,715
1891-92	173,453	3,043	280	177,685	83,105	68	...	83,173	248,619	210,007	14,167	472,793	553,577	181,319	1,485	735,361

\* Exclusive of lands surreptitiously irrigated for which leases were granted in subsequent years.

The area irrigated during the year was 151,403 acres in excess of any year to date, mainly owing to the extensive rabi irrigation on the Sone Canals, consequent on there having been practically no rain since September. The assessments on rabi irrigation are not due until the 1st of April, so that the revenue of the year was only slightly affected thereby. The kharif irrigation also exhibited an advance on previous results.

8. The navigation revenue, which has always formed a satisfactory feature of the Bengal canals, continues to advance slowly, the tollage collection for the last five years and for 1885-86 being given below :—

YEAR	Orissa Canals.	Midnapore Canal.	Hidgelleo Tidal Canal.	Sone Canals.	Total.	Miles open.	Tollage per mile.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1885-86	64,093	1,33,013	61,143	41,711	2,99,960	490	612.7
1887-88	60,628	1,26,574	40,400	50,984	2,84,586	490	580.7
1888-89	89,880	1,46,760	63,910	52,162	3,22,602	490	658.9
1889-90	78,082	1,46,350	40,338	51,180	3,14,923	490	642.8
1890-91	1,06,061	1,10,830	27,145	56,593	3,01,629	490	615.3
1891-92	1,20,761	1,32,572	36,348	57,339	3,47,020	524	662.2

9. The progress made towards the completion of the Orissa Canals has already been noticed. In other respects improvement has also been made. The gross income of these canals is the largest on record, and the working expenses show a satisfactory decrease on those incurred during any of the last five years. In the five years ending 1890-91, the working expenses have exceeded the receipts by an average of Rs. 2,11,594. In 1891-92 the deficit has been reduced to Rs. 52,164, and there will, despite heavy expenses for flood damages, be a further improvement in the year now current. The Lieutenant-Governor, on first visiting these canals in January 1891, took exception to the arrangements under which, even on long leases, the demand fluctuated, certain lowlands which ordinarily do not require water being included in the lease, and remissions, necessitating lengthy enquiries, being annually granted when water was not required or taken. Independently of the objection to these yearly investigations, the collections were retarded until the results of the enquiries had been recorded and revised demand statements prepared. The full evil of this system, which is characterized by the Superintending Engineer as pernicious, will be understood when it is stated that Rs. 12,646, out of Rs. 30,485 remitted in 1891-92, appertained to the irrigation of 1889-90, the enquiries regarding which were not completed until the year under review. In February 1892, Sir Charles Elliott again visited Orissa, and a system under which a fixed demand took the place of fluctuating assessment was elaborated, a lower rate being charged for lands not irrigated in ordinary years. The establishment, since the 1st April 1892, of a separate revenue division has already been adverted to, but other improvements were also effected, notably in the Certificate Department, the number of certificates pending having been reduced from 9,044 on the 1st April 1891 to 4,602 on the 1st of April 1892, of which 3,573 had been disposed of by the 1st of August 1892. The effect of the reforms instituted has been that the Collecting Department has been put on a satisfactory footing, whilst a good beginning, more especially in the Brahmini-Byturni Division, has been made towards establishing the assessments on a basis which will, for a term of years, relieve both the cultivators and the engineers from the labour and annoyance inseparable from what are *de facto* settlement operations.

10. The Midnapore Canal is complete, and expenditure debitable to capital, except for the construction of such small works as can be provided for from Provincial funds, has ceased. The area assessed was slightly in excess of that charged during the year previous, but no considerable improvement is practicable, the discharge of the river Cossye, from which water is supplied, falling to 300 cubic feet per second in October when water is much required. The duty in that month, calculated on the average gross supply, was 210 acres per cubic foot per second for the area commanded by the Midnapore weir, which is quite double that which can be obtained elsewhere. Improvements in the detailed arrangements are practicable, and measures have already been taken to introduce what is known as the block system, permits being refused where unleased lands would receive water. Revised water-rate rules are now under consideration, as also the expediency of constructing permanent outlets. Some slight improvement has been made in the percentage of the demand collected during the year, the balance unrealized being Rs. 58,972 at its close against Rs. 64,966 at its commencement. Some of the items, however, appertain to 1890-91 and previous years, showing avoidable delay in dealing with long standing arrears. Approximately half the gross revenue of the canal is derived from navigation dues, *i.e.*, tolls on boats, in the payment of which the regular lines of steamers enjoy considerable advantages. It is reported that the carrying trade is being diverted from the country boats, and that in consequence the number of boats is yearly lessening and the navigation revenue suffering. The expediency of granting concessions to lines of steamers running at fixed intervals, full or empty, is fully recognized, but the necessity of continuing the full deductions for engine space hitherto granted is under consideration. It must not be forgotten that the steamers cause extra expenditure estimated at Rs. 6,000 a year in repairs to the canal banks. The large amount spent on repairs to the Midnapore Canal during the year was due to the desire to avoid closing the canal more frequently than is absolutely necessary. The greater part of the expenditure was incurred on works that can only be carried out when the canal is dry, and there had been no closure since April 1888.

11. The remodelling scheme sanctioned for the Hidgellee Tidal Canal has already been noticed. The construction of the Balliaghoo drain has resulted in some improvement of the crossing of the river Rasulpur, which, of late years, has been steadily deteriorating. This improvement is of considerable importance in connection with the Argawal circuit embankments, the demolition of which, involving heavy expenditure, is under consideration. The drain is also being utilized as a canal by boats up to 1,000 maunds burden. This work, besides answering the purpose for which it was designed, has thus been of service in other directions, and it is contemplated to maintain it as a canal, tolls being imposed.

12. The chief incident of the year in respect to the Sone Canals was the large area under irrigation during the year, amounting to 474,723 acres against 223,556 acres in the year previous, and 370,661 acres in 1884-85, which was the highest area attained to date. This large increase was mainly owing to the failure of the autumn rains, and the consequent demand for water for rabi sowings for which irrigation is not usually required. The area irrigated during the rabi season, including 13,325 acres hot-weather irrigation, was 210,907 acres, against 117,960 acres in 1883-84, the highest rabi irrigation to date. The steady increase in the area under long lease is satisfactory. The following tables show the areas irrigated under long and short leases during the last five years:—

		1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
Long leases	...	210,164	200,102	224,268	223,556	234,791
Short leases	...	105,216	155,807	81,014	57,478	239,932
Total	...	315,380	355,909	305,282	281,034	474,723

The sudden extension of irrigation caused a great strain on the establishment, which can only be kept up to meet an average demand. On this subject the following remarks by the Superintending Engineer deserve attention:—

The demand of the year under review was greatest in the Buxar Division, and caused a considerable strain on the establishment, which was well met. Distributaries that had scarcely been used for years had to be run full, with consequent risk of breaches. An area much greater than usual had to be measured, while it is very difficult to enlarge the measuring staff to any considerable extent.

Although, as I have said, we are more accustomed to a great demand for water in the kharif season, it should not be forgotten that the large volume of water which was supplied in the autumn of 1891, could only be given and utilised by careful regulation and by constant supervision on the part of all concerned.

The demand was, on the whole, well met, and the Lieutenant-Governor agrees with the Superintending Engineer's remark that the Department may, in respect to the irrigation in this circle, fairly congratulate itself on the result of the year's work.

13. The Superintending Engineer's report does not clearly show the dates on which the assessment papers reached the Deputy Collector. It appears, however, that out of 474,723 acres irrigated, 354,541 acres were assessed during the year, and 120,182 acres after its close. In 1890-91 the area remaining to be assessed on the 31st March was 2,696 acres only. The increase in rabi irrigation on annual leases, 177,308 acres in 1891-92 against 20,632 acres in the previous year, sufficiently accounts for the difference. The Lieutenant-Governor attaches much importance to promptitude in preparing demand statements, and desires that in future the months in which the demand statements are due and submitted may be shown. It is not, however, desired that accuracy shall be sacrificed in order to attain the object desired, the steady decrease in the remissions, which are practically demands which cannot, when questioned, be upheld, from Rs. 11,284 in 1888-89 to Rs. 3,304 in 1891-92, being a specially satisfactory feature of the year's work. The reduction in the number of certificates instituted for the recovery of water-rates by process of law from 4,891, covering Rs. 46,974 in 1890-91, to 3,178, covering Rs. 31,176 in 1891-92, and of the balance, which, at the commencement of the year, was 1,586 certificates for Rs. 25,284, and at its close 234 certificates for Rs. 9,193, also speaks well for the canal administration, as does the advance made in the registration of village channels, and the increase on the acreage irrigated by each

outlet, which has risen from 59 acres in 1890-91 to 78 acres in the year under review. The increase in the number of complaints was a natural result of the increased irrigation under annual leases. The Lieutenant-Governor, in November 1892, for the second time inspected a part of this canal system, and is satisfied that the utmost endeavours are made to utilise to the best advantage the full water-supply the canals are capable of carrying and also that the wants and grievances of the cultivators are carefully enquired into and met in a generous spirit.

14. The financial results of the year's working for the canals classed as minor works are shown in the table following:—

PARTICULARS.	MINOR WORKS AND NAVIGATION.										
	Saran Canals.		Calcutta and Eastern Canals.		Orissa Coast Canal.		N. du. Rivers.		Eden Canal.		Madhuban (
	1890-91.	1891-92.	1890-91.	1891-92.	1890-91.	1891-92.	1890-91.	1891-92.	1890-91.	1891-92.	1890-91.
1	2	3	4	5	6	7	8	9	10	11	12
<b>RECEIPTS.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>
rates .. .. .	30,825	15,785	5,19,468	5,55,325	61,229	60,051	2,00,508	1,52,718	2,705	9,430	....
donation .. .. .	100	46	5,883	10,218	1,439	2,072	136	247	802	725	42
<b>Total</b>	<b>30,925</b>	<b>15,831</b>	<b>5,25,351</b>	<b>5,65,543</b>	<b>62,668</b>	<b>62,123</b>	<b>2,00,644</b>	<b>1,52,965</b>	<b>3,507</b>	<b>10,158</b>	<b>42</b>
<b>Re-funds of revenue</b>	....	....	61	124	14	66	102	228	....	30	....
<b>Total receipts</b>	<b>30,925</b>	<b>15,831</b>	<b>5,25,412</b>	<b>5,65,667</b>	<b>62,682</b>	<b>62,189</b>	<b>2,00,746</b>	<b>1,53,193</b>	<b>3,507</b>	<b>10,188</b>	<b>42</b>
<b>WORKING EXPENSES.</b>											
<i>Direct charges.</i>											
outances and repairs - Works (extensions and im- provements) .. .. .	24,454	9,021	36,070	36,980	42,512	9,508	62,182	62,704	504	4	6,230
Repairs .. .. .	10,500	3,710	64,041	65,737	15,152	17,109	21,700	22,401	8,915	6,511	3,263
Establishment, including di- rection and accounts) ..	38	(-)-143	20,020	1,561	1,704	3,465	2,476	1,320	681	466	247
Fuel and Plant .. .. .	....	....	....	....	....	....	....	(-)-3,915	....	....	....
Steps and account .. .. .	....	....	....	....	....	....	....	....	....	....	....
<b>Total</b>	<b>37,492</b>	<b>12,588</b>	<b>2,71,131</b>	<b>2,86,278</b>	<b>67,368</b>	<b>69,182</b>	<b>77,907</b>	<b>83,725</b>	<b>31,105</b>	<b>25,033</b>	<b>11,827</b>
evenue management - Irrigation establishment ..	....	....	38,443	41,350	9,208	1,114	20,020	23,131	....	....	....
Navigation ditto .. .. .	....	....	....	....	....	....	....	....	....	....	....
<b>Total</b>	<b>....</b>	<b>....</b>	<b>38,443</b>	<b>41,350</b>	<b>9,208</b>	<b>1,114</b>	<b>20,020</b>	<b>23,131</b>	<b>....</b>	<b>....</b>	<b>....</b>
<b>Total direct charges</b>	<b>37,492</b>	<b>12,588</b>	<b>2,71,131</b>	<b>2,86,278</b>	<b>67,368</b>	<b>69,182</b>	<b>77,907</b>	<b>83,725</b>	<b>31,105</b>	<b>25,033</b>	<b>11,827</b>
<i>Indirect charges.</i>											
and pension allowances ..	1,478	519	14,331	14,006	3,032	3,253	6,357	6,417	....	....	....
<b>Total indirect charges</b>	<b>1,478</b>	<b>519</b>	<b>14,331</b>	<b>14,006</b>	<b>3,032</b>	<b>3,253</b>	<b>6,357</b>	<b>6,417</b>	<b>....</b>	<b>....</b>	<b>....</b>
<b>Total working expenses</b>	<b>38,970</b>	<b>13,107</b>	<b>2,85,462</b>	<b>2,99,284</b>	<b>70,400</b>	<b>72,435</b>	<b>84,264</b>	<b>90,142</b>	<b>31,105</b>	<b>25,033</b>	<b>11,827</b>
<b>Net revenue</b>	<b>(-)-1,045</b>	<b>2,724</b>	<b>2,54,250</b>	<b>2,66,389</b>	<b>(-)-8,712</b>	<b>(-)-13,312</b>	<b>90,582</b>	<b>62,821</b>	<b>(-)-26,598</b>	<b>(-)-14,845</b>	<b>(-)-11,785</b>

15. Of the canals classed as minor works, the Saran, Eden, and Madhuban Canals are not navigable.

The Saran Canals were intended chiefly to provide water for the manufacture of indigo, and secondarily to supply water for the irrigation of that crop. There was originally a guarantee, which expired on the 1st of April 1891, and since that date the canals have been managed by Mr. Reid of the Moniara Concern on payment of a sum which substantially covers working expenses. The agreement is yearly, and it is doubtful if it will be renewed.

The primary object of the Eden Canal was to supply the Hooghly and Burdwan districts with wholesome drinking water; but under the force of circumstances it has developed into an irrigation work. The area irrigated during the year was 14,185 acres, mostly on five-years' leases. The receipts were Rs. 6,635 in excess of the previous year, and the expenses Rs. 9,132 less. Colonel A. D. McArthur, R.E., the Superintending Engineer, has shown a very marked improvement in the results obtained from this small work; it is satisfactory to be able to record that irrigation has yet further advanced in the year now current.



The Madhuban Canal is a small irrigation scheme on the borders of Champaran, the head works of which have always given trouble owing to the sudden floods in the hill stream over which they are constructed. These floods are caused by embankments in Nepal giving way, and it is a matter of both difficulty and expense, out of all proportion so far to results achieved, to keep the weir in working order. The area irrigated during the year was 3,583 acres.

16. The remaining canals classed as Minor Works are for navigation, viz., the Calcutta and Eastern Canals, the Orissa Coast Canal, and the Nadia rivers.

The Calcutta Canals, the capital expenditure on which has reached 53 lakhs of rupees, form in some respects the most important means of communication between Calcutta and the Eastern districts of Bengal. The revenue for some years has been almost stationary, whilst the working expenses have largely increased. Since the construction of the new locks at Dhappa and Chitpore, there has been a tendency to endeavour to improve the rest of the canals, and there is little doubt that, but for these measures, there would, owing to the railway competition, have been a serious decrease in the gross revenue. The net revenue is now 3·4 per cent. only on the capital expenditure, and the Lieutenant-Governor, in response to petitions for alteration in the scale of tolls, has found it necessary to declare that no change involving a decrease in the net receipts is admissible. The whole matter was considered by a Committee, of which Colonel A. D. McArthur, R.E., was the President, and Mr. W. C. Boyce and Babu Sita Nath Roy, members; and in disposing of the report, the Lieutenant-Governor sanctioned a reduction in the rate of tolls on articles of general consumption, mainly firewood and lime, whilst tolls on boats returning from Calcutta, which have hitherto passed free, will be levied. It is expected that these measures will slightly add to the revenue derived from the canals, whilst the tolls imposed on boats returning are very slight. Recent enquiries show that the cost of carriage on these canals varies from 0·04 pies to 0·20 pies per maund per mile, of which from 0·012 pies to 0·017 pies represents toll.

The Orissa Coast Canal has so far not answered the expectations formed when it was sanctioned, the failure to do so being partly owing to the Hidgelee Canal, the remodelling of which is not yet quite complete, not having been kept in a condition suitable for the passage of large boats, but the low revenue is chiefly due to competition by the sea route. The feeder roads sanctioned are now approaching completion, and it is hoped that, with these and other measures which are under contemplation, a greater measure of success will be obtained in future years. This canal must be looked on rather as a famine protective than revenue earning work, but the receipts should at least cover the working expenses, which at present they are insufficient to meet. It is feared that owing to changes in the course of the river Subarnarekha it will be necessary to build a new lock some miles away from Jameunda in place of that now in use. The changes in the river had not, however, at the close of the present flood season reached their full development, and no expenditure will be incurred until it is no longer possible to defer taking further action.

The receipts during the year from tolls imposed on boats using the Nadia rivers, amounted to Rs. 1,92,737 against Rs. 2,00,182 in 1890-91, whilst the expenditure aggregated Rs. 1,13,271 against Rs. 1,09,894. The falling off in the receipts and the increased expenditure are due to the same cause—the low level of the river Ganges—which led to the upper heads of the Nadia rivers being blocked with silt. The rivers were closed to large boats at an earlier date than usual, whilst increased expense was incurred in training works. Hitherto works in these rivers have been mostly confined to training works with the object of keeping the channels open as long as possible, but this year, to supply the want of marks to guide vessels during the flood season, a number of temporary beacons have been erected and are reported to have been useful.

17. The Lieutenant-Governor is not satisfied that the important duty of office inspection receives the attention it deserves. From the tables attached to the Chief Engineer's note, it appears that the divisional offices were not all inspected by Superintending Engineers during the year, whilst, outside the Sonos Circle, but few sub-divisional offices were inspected. His Honour requires that in future Superintending Engineers shall inspect all divisional offices yearly, and all sub-divisional offices and toll offices once in two years at least. Executive Engineers must inspect all sub-divisional offices and toll



offices yearly. In the case of both Superintending and Executive Engineers, the report of the inspection must be submitted for examination by the Chief Engineer. The record of tours shows that, with scarcely an exception, canal officers have fully satisfied the requirements of Government as regards the time to be spent on tour, which His Honour considers should not be less than one-third of the year in the case of Superintending Engineers, and one-half to one-third in the case of Executive and Assistant Engineers. For Sub-divisional Officers who do not belong to the Engineer establishment, no specific rule can be laid down other than that, when holding charges analogous to those of Assistant Engineers, the same length of tours will be required, whilst, on the other hand, when posted to workshops they will be employed almost exclusively at head-quarters.

18. The qualifications of officers are dealt with in separate reports, but Sir Charles Elliott is satisfied that during the year under review the engineers and subordinates employed in the Irrigation Department have not been unmindful of the instructions contained in last year's Resolution, and that they have, sometimes under circumstances of great hardship, done everything in their power to make the most of the canals in a season when every drop of water was valuable. His Honour also notices with pleasure the advance made in the Sone Circle in promptly realizing water-rates, being convinced that the exaction of payment when due is not only beneficial from an administrative point of view, but, in the long run, to the advantage of the cultivator.

ORDER.—Ordered that a copy of this Resolution and of the Chief Engineer's note, and its accompaniments, be submitted to the Government of India, in the Public Works Department, and published in the *Calcutta Gazette*; also that it be circulated to other Governments and to all departments and officers of this Government as usual.

By order of the Lieutenant-Governor of Bengal,

C. W. ODLING,

*Joint-Secretary to the Govt. of Bengal.*

Government of Bengal.

**PUBLIC WORKS DEPARTMENT.**

## IRRIGATION BRANCH.

## REVENUE REPORT.

*Note by C. W. ODLING, ESQ., M.E., M. INST. C.E., Chief Engineer, on the Canal Revenue Reports for the year 1891-92.*

THE Capital expenditure on Irrigation Works, for which Capital Accounts are kept, amounted during the year 1891-92 to Rs. 8,34,636 for direct and Rs. 20,078 for indirect charges:—

	Direct charges.	Indirect charges.	Total.
	Rs.	Rs.	Rs.
Capital expenditure not charged against Revenue ... ..	8,42,225	20,141	8,62,366
Minor Works and Navigation ...	(—) 7,589	(—) 63	(—) 7,652
	<hr/>	<hr/>	<hr/>
Total ...	8,34,636	20,078	8,54,714

2. The total Capital outlay at the end of the year 1891-92, including indirect charges, was as follows:—

		Direct charges.	Indirect charges.	Total.
		Rs.	Rs.	Rs.
<i>Major Irrigation Works—</i>				
Productive Public Works	...	6,08,30,176	17,05,422	6,25,35,598
<i>Minor Works and Navigation—</i>				
Protective grants—Imperial	...	8,66,000	...	8,66,000
Ordinary revenue	{ Imperial and Provincial. }	99,44,078	2,82,052	1,02,26,130
		<hr/>	<hr/>	<hr/>
Total	...	7,16,40,254	19,87,474	7,36,27,728

3. The above outlay is divided under the different projects in the following statement:—

WORKS.	During 1891-92.			To end of 1891-92.		
	Direct charges.	Indirect charges.	Total.	Direct charges.	Indirect charges.	Total.
1	2	3	4	5	6	7
<i>Major Irrigation Works—</i>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Orissa Canals ...	3,88,740	8,042	3,96,782	2,46,06,666	5,51,230	2,51,60,896
Midnapore Canal ...	14,169	...	14,469	82,68,711	1,81,133	81,32,844
Hidgellee Tidal Canal ...	2,34,918	6,908	2,41,826	22,32,705	56,508	22,89,213
Sone Canals ...	2,01,098	5,191	2,06,289	2,57,32,094	9,10,551	2,66,42,645
Total ...	8,42,225	20,141	8,62,366	6,08,30,176	17,54,422	6,25,35,598
<i>Minor Works and Navigation—</i>						
Tirhut project ...	...	...	...	5,31,425	74,650	6,06,075
Damodar project ...	(—) 1,200	...	(—) 1,200	1,47,641	16,239	1,63,780
Calcutta and Eastern Canals ...	(—) 10,329	2	(—) 10,327	52,22,643	61,027	52,83,670
Orissa Coast Canal ...	3,940	(—) 65	3,875	42,38,999	1,02,953	43,41,952
Saran Canals ...	...	...	...	6,69,570	27,183	6,96,753
Total ...	(—) 7,589	(—) 65	(—) 7,652	1,08,10,078	2,82,052	1,10,92,130
GRAND TOTAL ...	8,34,636	20,078	8,54,714	7,16,40,254	19,87,474	7,36,27,728

REVENUE

4. The total receipts, working expenses, and charges for interest in respect of the works which are classed as Major Irrigation Works are shown in the following statement during the year 1891-92, and for the four previous years:—

PARTICULARS.	1887-88	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
Receipts from all sources (less refunds of revenue) ...	10,87,080	13,51,170	15,04,474	13,39,141	15,98,608
Working expenses (direct and indirect charges) ...	15,72,170	14,87,295	14,22,368	14,82,136	14,37,935
Net revenue ...	(—) 4,85,090	(—) 1,06,116	82,106	(—) 92,995	1,60,673
Charges for interest ...	23,13,446	23,39,849	23,65,090	23,87,119	24,10,363
Deficit ...	27,98,536	24,45,965	22,82,924	24,80,114	22,55,690
Rate per cent. on Capital outlay ...	4.68	4.04	3.74	4.02	3.61

INTEREST.

5. The total amount of interest payable to the Imperial Treasury on account of Major Irrigation Works for the year 1891-92 is Rs. 24,03,107.

6. The following statement shows the financial results of both Major Irrigation Works and Minor Works and Navigation, of which Capital and Revenue Accounts are kept, to the close of the year 1891-92:—

FINANCIAL  
RESULTS.

		Major Irrigation Works. Rs.		Minor Works and Navigation. Rs.
Direct revenue ...	...	1,96,27,666		2,23,88,232
Working expenses (direct charges) ...	...	1,98,59,055		92,09,216
Results on direct charges only ...	Loss	2,31,389	Profit	1,31,79,986
Indirect charges debitable to revenue ...	...	10,87,826		2,58,458
Results on both direct and indirect charges ...	Loss	13,19,215	Profit	1,29,21,528
Charges for interest on Capital ...	...	4,12,32,439		Not calculated.
Net results, including interest to end of 1891-92 ...	Loss	4,25,51,654		.....

7. The financial results to the close of the year 1891-92 of Minor Works and Navigation, of which only Revenue Accounts are kept, are shown below:—

				Rs.
Direct revenue ...	...	...	...	84,01,250
Working expenses (direct charges) ...	...	...	...	45,42,194
Results on direct charges only ...	...	Profit		38,59,056
Indirect charges debitable to revenue ...	...	...		2,39,932
Results on both direct and indirect charges ...	...	Profit		36,19,074

8. The expenditure on, and receipts from, Irrigation, Navigation, and Agricultural Works during the year 1891-92, as compared with those of the year 1890-91, are shown below:—

		1890-91. Rs.	1891-92. Rs.
EXPENDITURE.			
42—Major Irrigation Works, Working Expenses— (Direct and indirect charges) Provincial ...	...	14,32,136	14,37,935
43—Minor Works and Navigation— Irrigation and Navigation Works— (Direct and indirect charges) Provincial ...	...	6,18,709	5,76,796
Agricultural Works— Provincial ...	...	7,52,844	7,58,262
Contributions ...	...	3,890	6,927
Total ...	...	7,56,734	7,65,189
49—Irrigation—Capital expenditure not charged against Revenue ...	...	6,34,612	8,62,366
GRAND TOTAL ...	...	34,42,191	36,42,286

RECEIPTS.			
XXIX—Major Irrigation Works—Direct Receipts— Provincial ...	...	13,39,141	15,98,608
XXX—Minor Works and Navigation— Irrigation and Navigation Works— Provincial ...	...	8,31,775	8,06,055
Agricultural Works— Provincial ...	...	12,015	11,406
Total ...	...	21,82,931	24,16,069

AREAS IRRIGATED.

9. The areas irrigated during the year 1891-92, and the four previous years, by the Major Irrigation Works, are shown in the following statement :—

	ORISSA CANALS.				MIDNAPPORE CANAL.				SONE CANALS.				TOTAL.			
	Kharif.	Rabi.	Perennial.	Total.	Kharif.	Rabi.	Perennial.	Total.	Kharif, including five-year leases.	Rabi and hot weather.	Perennial.	Total.	Kharif.	Rabi.	Perennial.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
1887-88	108,567	502	137	109,206	65,861	...	...	65,861	220,428	60,045	25,007	315,380	450,315	24,003	6,462	400,780
1888-89	136,319	2,779	194	139,292	60,408	3,369	...	63,777	238,805	100,142	16,872	355,819	504,219	75,915	4,701	584,979
1889-90	150,568	5,897	162	156,627	69,370	440	...	69,810	230,741	65,613	18,028	305,282	529,880	20,673	5,160	580,713
1890-91	175,829	4,350	220	180,399	82,002	...	...	82,002	211,726	51,518	17,970	281,014	513,811	24,882	4,022	543,315
1891-92	173,153	3,043	280	176,476	83,905	68	...	83,973	248,810	210,007	14,997	473,723	553,577	181,310	1,485	730,381

\* Exclusive of lands surreptitiously irrigated for which leases were granted in subsequent years.

The year's working and its financial results will now be dealt with separately for each of the canal systems of the province, as in previous years.

## ORISSA CANALS.

The figures in all statements showing totals of receipts or expenditure are those of the Examiner of Accounts. In dealing with details the figures of the Commissioner or of the Superintending Engineer are used.

10. The Capital, Interest, and Revenue Accounts of these canals are given below :—

CAPITAL ACCOUNT.

## I.—CAPITAL ACCOUNT.

HEADS OF ACCOUNT.			Outlay during 1891-92.	Outlay to end of 1891-92.
1			2	3
DIRECT CHARGES.			Rs.	Rs.
I.—Works	...	...	3,24,411	1,77,75,631
II.—Establishment	...	...	57,375	44,64,543
III.—Tools and plant	...	...	2,855	20,20,731
IV.—Suspense accounts	...	...	4,138	1,63,791
Loss by exchange	...	...	...	2,68,070
Total	...	...	3,88,809	2,46,92,766
V.—Less—Receipts on Capital account	...	...	69	86,100
Net total Direct Charges	...	...	3,88,740	2,46,96,666
INDIRECT CHARGES.				
Capitalization of abatement of land revenue	...	...	9	33,068
Leave and pension allowances	...	...	8,033	5,21,162
Total Indirect Charges	...	...	8,042	5,54,230

A full account of the works in progress and completed during the year has been given in the Progress and Administration Report of this province for the year under review. The more important works completed were the construction of a new weir at Barera on the Machgong Canal, the improvement of the river Gobri, and drainage cuts at Tampua and Blimai Had, while the construction of the distributaries sanctioned by the Secretary of State in 1883 was so far advanced, that 125½ miles were opened for irrigation during the year, in addition to many detached lengths nearly completed, but from which supply could not be given. The Taldundah Extension Canal was opened for traffic, being very nearly completed, and among the works with which progress was made may be mentioned the Sukendapat drainage scheme, other minor drainage cuts and channels, flood embankments on the right of the Byturni and left of Burra Kharsua, and refuge-mounds on the Sankarisahai Island.

2.—INTEREST ACCOUNT.

		Rs.
Interest charges to end of 1890-91	...	1,56,93,666
Ditto for 1891-92	...	9,76,492
Total	...	1,66,70,158

INTEREST  
ACCOUNT

3.—REVENUE ACCOUNT—(Actuals).

PARTICULARS.	EXPENDITURE—		PARTICULARS.	RECEIPTS—	
	During 1890-91.	During 1891-92.		During 1890-91.	During 1891-92.
1	2	3	4	5	6
<b>DIRECT CHARGES.</b>	Rs.	Rs.		Rs.	Rs.
<i>I.—Works, maintenance, and repairs</i>					
Works (extensions and improvements).	...	5,001	Water-rates ...	2,09,806	2,17,256
Repairs ...	2,22,638	1,70,637	Navigation ...	1,21,498	1,35,902
Establishment, including direction and accounts.	1,32,859	1,19,775	Miscellaneous ...	13,708	17,843
Tools and plant ...	13,951	27,023	Total ...	3,45,012	3,71,001
Profit and loss ..	1 225	...	Less—Refunds of revenue.	76	79
Total ..	3,70,673	3,22,436			
<i>II.—Revenue management.</i>					
Irrigation establishment	52,591	57,074			
Navigation ditto ...	16,119	16,506			
Total ...	68,710	73,580			
Total Direct Charges ...	4,39,383	3,96,016			
<b>INDIRECT CHARGES.</b>					
Capitalized abatement of land revenue.	...	...			
Leave and pension allowances.	28,220	27,070			
Total Indirect Charges	28,220	27,070	Net total receipts	3,44,936	3,70,922
Total Working Expenses	4,67,603	4,23,086	Deficit ...	1,22,667	52,164
			Total ...	4,67,603	4,23,086

REVENUE  
ACCOUNT

The net result shows a marked improvement compared with last year, the deficit of 1890-91 having been reduced by over 57 per cent., that is, from Rs. 1,23,867 to Rs. 52,164. This has been caused by increases under all heads of the receipts, combined with economy in working expenses. The only marked increases occurred under revenue establishment caused by the payment of arrears of commission properly belonging to previous years, and tools and plant, mainly due to the provision of a new boiler for the *Garnet* having been found necessary. The economy in repairs is partly due to the small amount of damage done to the aprons of weirs and the banks of canals and distributaries owing to the absence of any high floods during the year. The expenditure under extensions and improvements was incurred on the construction of an escape at Ganpur and additions to the Deputy Revenue Superintendent's Office and an Overseer's bungalow at Jobra.

## EARNINGS.

11. The net result, calculated on the earnings as opposed to collections, and actual outlay is shown below for the year under review and the preceding year:—

		1890-91.	1891-92.
Earnings.		Rs.	Rs.
Irrigation ...	...	2,69,310	2,66,587
Navigation ...	...	1,21,498	1,35,902
Miscellaneous ...	...	13,708	17,813
Total ...	...	4,04,516	4,20,332
Deduct refunds ...	...	76	79
Net earnings ...	...	4,04,440	4,20,253
Outlay ...	...	4,67,603	4,23,086
Net deficit ...	...	63,163	2,833

The figures given as earnings include the actual realizations of navigation and miscellaneous revenue with the assessed revenue from irrigation, less refunds. The increase in the earnings is entirely under the heads navigation and miscellaneous, there having been a small decrease in assessed water rates which were Rs. 2,66,587 in 1891-92 against Rs. 2,69,310 in the year preceding. These figures are somewhat misleading owing to areas being included in which water rates are not chargeable, and remission is granted yearly after a special enquiry. This system is in course of alteration.

## FINANCIAL RESULTS.

12. Below are shown the revenue receipts and working expenses for the last ten years:—

PARTICULARS.	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6	7	8	9	10	11
<b>RECEIPTS.</b>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Water-rates ...	1,50,325	1,11,866	61,245	1,06,842	96,076	1,37,903	1,51,305	1,39,444	2,00,806	2,17,256
Navigation ...	1,08,473	1,10,152	71,802	84,012	67,048	1,11,04	77,308	89,032	1,21,498	1,35,902
Miscellaneous ...	31,212	15,860	12,538	16,406	15,587	14,171	14,242	16,747	13,708	17,813
Total ...	3,29,010	2,37,868	1,45,585	2,07,260	1,79,611	2,23,044	2,43,516	3,04,223	3,46,012	3,71,001
Less—Refunds of revenue ...	385	68	78	6	102	365	321	361	76	79
Total receipts ...	3,10,625	2,37,800	1,45,507	2,07,254	1,79,510	2,22,679	2,43,194	3,04,184	3,45,936	3,70,922
<b>WORKING EXPENSES.</b>										
<i>Direct Charges.</i>										
I—Works, maintenance and repairs.										
Works (extensions and improvements) ...	...	...	...	...	...	...	...	...	...	8,001
Repairs ...	2,22,431	1,50,617	2,03,137	2,22,000	3,53,701	3,10,080	2,36,024	2,31,068	3,22,058	1,70,637
Establishment, including diet and accounts ...	51,120	43,600	50,134	51,130	81,117	98,153	70,201	1,09,431	1,32,850	1,10,776
Tools and plant ...	14,923	11,232	15,167	19,150	16,406	16,301	21,166	19,722	13,951	27,023
Profit and loss ...	...	...	...	...	...	...	...	...	1,326	...
Direct expenditure in England ...	2,061	427	...	...	...	...	...	...	...	...
Total ...	2,90,515	2,14,686	2,73,262	3,13,048	4,40,304	4,26,524	3,28,061	3,70,221	3,70,073	3,23,430
II.—Revenue management—										
Irrigation establishment ...	37,002	30,332	33,000	34,304	37,005	40,300	43,161	55,702	63,001	67,074
Navigation ditto ...	13,578	14,081	12,308	15,210	15,471	15,120	15,734	16,472	16,110	16,506
Total ...	50,580	44,413	45,307	49,514	52,476	55,420	58,895	72,174	79,111	83,580
Total Direct Charges ...	3,41,155	2,59,099	3,18,569	3,62,562	4,92,780	4,81,944	3,86,956	4,42,395	4,49,184	4,06,010
<i>Indirect Charges.</i>										
Capitalized abatement of land revenue ...	13,741	12,840	13,629	14,101	18,708	21,501	18,073	25,313	28,220	27,070
Leave and pension allowances ...	13,741	12,840	13,629	14,101	18,708	21,501	18,073	25,313	28,220	27,070
Total Indirect Charges ...	27,482	25,680	27,258	28,202	37,416	39,002	36,146	50,626	56,440	54,140
Total Working Expenses ...	3,68,637	2,84,779	3,45,827	3,90,764	5,30,196	5,20,946	4,23,102	4,93,021	5,05,624	4,60,150
Net revenue ...	(-) 35,271	(-) 46,979	(-) 1,00,320	(-) 1,83,510	(-) 3,50,686	(-) 2,98,267	(-) 1,80,908	(-) 1,88,837	(-) 1,23,867	(-) 52,164

The most noticeable feature of the results tabulated above is that since the year 1886-87 the receipts have shown a steady yearly increase, accompanied by a reduction of the total working expenses, the effect on the net revenue being a reduction of the deficit from Rs. 3,41,024 to Rs. 52,161. With the extension of irrigation consequent on the completion of the new distributaries, it is hoped that the yearly deficit will be replaced by a surplus.

13. The lengths of the canals and distributaries in operation at the close of the year 1891-92, compared with 1890-91, are given in the following table:—

LENGTHS OF CANALS AND DISTRIBUTARIES.

NAME OF CANAL.	1890-91.								1891-92.							
	Navigable canals.	Canals for irrigation only.	Distributaries and village channels.	Area protected from flood.	Area under command.	Area provided with distributaries.	Area irrigated.	Percentage of area irrigated. (Area provided with distributaries).	Navigable canals.	Canals for irrigation only.	Distributaries and village channels.	Area protected from flood.	Area under command.	Area provided with distributaries.	Area irrigated.	Percentage of area irrigated. (Area provided with distributaries).
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<i>Mahanadi Series.</i>																
Taldundah .....	27	...	71½	19,390	15,350	15,350	41,906	73·5	51½	4	28	76½	75,978	75,978	91,850	...
Indragong .....	4	28	192½	97,057	97,057	41,000	...	...	16½	...	...	16½	97,057	97,057	54,496	41,906
Sondrapura .....	39	...	337	129,421	101,110	102,362	...	...	36½	...	...	150,821	101,110	101,110	85,120	...
Sabri with extension .....	21	...	35½	27,351	63,290	63,290	74,970	72·7	15½	47	194	27,351	53,390	53,390	6,118	74,180
Tattamoundes .....	15	47	35½	65,000	51,290	10,173	...	...	15	...	...	65,000	51,290	51,290	37,820	...
Sondrapura Extension .....	...	...	...	8,000	7,000	...	...	...	...	...	...	8,000	7,000	7,000	...	...
High Level Canal, Range I .....	33	...	131½	80,128	48,815	48,815	21,084	45·0	53	...	151½	80,128	48,815	48,815	92,423	45·03
Total Mahanadi Series .....	131	75	715½	427,937	373,772	308,810	184,790	66·4	166½	75	831½	488,925	438,900	264,212	138,569	82·48
<i>Brahmini-Byturni Series.</i>																
High Level Canal, Range II .....	12½	...	...	...	10,000	...	2,503	...	12½	...	...	...	10,000	...	2,513	...
Do, do, do, III .....	19	...	40½	...	57,500	44,047	31,006	48·0	19	...	40½	...	57,500	44,047	56,211	52·21
Agpur Canal .....	6½	...	...	...	70,000	...	...	...	6½	...	6½	...	70,000	...	452	75·33
Total Brahmini-Byturni Series .....	38	...	40½	...	137,500	44,047	41,539	94·3	38	...	56	...	137,500	44,047	80,170	87·74
Total Orissa Canals .....	177	75	761½	427,937	511,272	352,856	186,329	71·3	204½	75	887½	491,605	571,500	308,820	177,686	87·53

Twenty-seven and three-quarter miles of navigable canal and one hundred and twenty-five and three-quarter miles of distributaries have been completed during the year, resulting in an increase of the total area under command and that provided with distributaries by 60,028 and 55,993 acres, respectively, while 55,758 acres have been added to the area protected from flood owing to the completion of the left bank of the Taldundah Extension Canal, which forms a flood embankment up to the 49th mile.

14. The average rainfall at thirteen stations, situated within the canal irrigated area, for the kharif and rabi seasons of the last five years, is as follows:—

RAINFALL.

		AVERAGE OF THIRTEEN STATIONS.				
		1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1		2	3	4	5	6
Kharif season	July	11·67	6·91	13·10	12·69	10·34
	August	8·49	21·61	13·11	7·58	16·98
	September	6·12	8·38	5·50	13·40	19·45
	October	2·69	1·11	9·16	8·63	1·17
	Total	28·97	39·93	40·67	43·30	47·94
Rabi season	November	0·87	2·88	11·24	1·84	6·77
	December	.....	.....	0·16	0·05	.....
	January	1·70	0·03	0·08	.....	.....
	February	1·26	0·31	0·02	0·09	0·20
	Total	3·83	3·75	11·47	2·98	6·97
Whole year		47·79	49·07	67·95	68·17	61·03



The rainfall of the whole year was slightly less than that of last year, though 4·96 inches in excess of the average for the past 22 years. Both in the rabi and kharif seasons the fall was greater than in 1890-91, but it was unseasonably distributed. The fall was scanty up to the end of July, unusually abundant in August and September, and almost entirely failed in October, being succeeded by a cyclonic storm on the 5th November.

FLOODS. 15. The average rainfall of the year at ten stations in the Central Provinces which are drained by the Mahanadi was 56·14 inches, or 3·39 inches more than that of 1890-91.

There were heavy floods in all the rivers in the Orissa Circle during the year. The highest flood readings of the rivers Mahanadi, Brahmini-Byturni, Salindi, Katjuri, and Beropa during the year, as also those of the highest known floods, are given in the following statement:—

NAME OF RIVER	Locality.	1891-92.		1890-91.		HIGHEST RECORDED.	
		Date.	Reading.	Date.	Reading.	Date.	Reading.
	2	3	4	5	6	7	8
Mahanadi	Narsaj above weir	30th July 1891	87·90	12th July 1890	85·90	4th July 1872	92·10
	Do. below weir	30th .. ..	87·50	12th .. ..	83·65	4th .. ..	92·00
	Jobra above weir	30th .. ..	71·75	12th .. ..	70·05	4th .. ..	75·08
	Do. below weir	30th .. ..	70·10	12th .. ..	67·25	4th .. ..	73·98
Brahmini	Janapur above weir	15th September 1891	69·90	12th .. ..	64·00	18th .. 1891	65·78
	Ditto below weir	15th .. ..	66·90	12th .. ..	64·50	18th .. ..	65·00
Byturni	Akhepada above weir	14th August 1891	62·70	27th September ..	59·50	16th .. ..	66·00
	Ditto below weir	14th .. ..	59·20	27th .. ..	52·90	16th .. ..	63·79
Salindi	Randia .. ..	4th .. ..	56·88	27th .. ..	53·59	17th June 1888	59·29
Katjuri	Bellevar .. ..	30th July ..	78·80	12th July ..	75·75	4th July 1872	83·90
Beropa	Jagatpur above weir	30th .. ..	57·90	11th .. ..	66·40	4th .. ..	71·10
	Ditto below weir	30th .. ..	63·20	11th .. ..	62·60	4th .. ..	70·60

IRRIGATION. 16. The table below compares the areas of each crop irrigated during the last ten years with the yearly rainfall:—

YEAR.	Kharif.	Rabi.	Perennial.	Total.	Rainfall.
1	2	3	4	5	6
	Acres.	Acres.	Acres.	Acres.	Inches.
1882-83	128,530	4,100	398	133,028	59·03
1883-84	47,035	1,381	344	48,760	57·21
1884-85	54,181	2,994	197	57,372	60·40
1885-86	70,563	1,605	171	72,339	52·59
1886-87	75,115	2,440	154	77,709	60·07
1887-88	108,867	502	137	109,506	47·84
1888-89	156,319	2,779	194	159,292	49·07
1889-90	180,568	5,897	162	186,627	67·95
1890-91	175,829	4,250	220	180,299	63·17
1891-92	173,453	3,943	289	177,685	61·03

17. The whole of the area shown above as irrigated was assessed. The figures below show the nature of assessment compared with the figures of the two preceding years:—

Crop.	Rate per acre.	1889-90.		1890-91.		1891-92.	
		Area.	Amount.	Area.	Amount.	Area.	Amount.
1	2	3	4	5	6	7	8
Khurif ...	Flow ...	Rs. A. P.	Acres.	Rs.	Acres.	Rs.	Acres.
	Lift ...	1 8 0	(a) 172,101	2,57,335	(b) 168,227	2,52,173	(c) 168,655
Perennial crops ...	Flow ...	1 0 0	(a) 5,065	5,065	(b) 5,596	5,596	(c) 4,787
	Lift ...	0 0 0	87	397	121	712	141
	Lift ...	4 0 0	95	381	88	351	148
	Lift ...	0 8 0					
Rabi ...	Flow ...	to	4,993	5,583	3,634	3,588	3,259
	Lift ...	2 0 0					
	Lift ...	0 5 0					
	Lift ...	1 8 0	991	761	615	474	632
Unauthorised irrigation	Kharif		3,399	12,612	2,006	6,050	11
	Rabi				12	36	52
Total			186,627	2,82,737	180,269	2,69,310	177,645
							2,66,587

(a) All 5 year leases.

(b) 173,577 acres 5-year lease, and 246 acres annual lease.

(c) 170,316 acres 5-year lease, and 2,626 acres annual lease.

It is satisfactory to note that the area of unauthorised irrigation assessed was only 63 acres, against 2,018 and 3,399 in the two previous years. The reduction in the total area under lease is due to the exclusion from assessment, on re-measurement of old leases, of 5,605 acres, consisting mainly of unirrigated *Beali* lands and low-lying lands which derive no benefit from irrigation.

The Superintending Engineer gives the two statements reproduced below, showing the alterations which have taken place in the area of each crop upon the various canals, together with the percentages of the area provided with distributaries as well as that commanded, which had been leased in each case, at the close of the official year:—

CANAL SYSTEM.	1891-92.			1890-91.			KHARIF.		PERENNIAL.		RABI.	
	Kharif.	Perennial.	Rabi.	Kharif.	Perennial.	Rabi.	More.	Less.	More.	Less.	More.	Less.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
Kondrapara ...	70,094	50	3,494	71,358	45	3,507	...	722	5	...	...	73
Takdandah ...	41,545	25	576	41,231	26	559	324	...	...	1	...	223
High Level Canal, Range I ...	22,383	11	29	21,680	13	91	803	...	...	3	...	68
Ditto do. II ...	2,451	...	62	2,473	...	30	...	23	...	...	32	...
Ditto do. III ...	36,090	203	23	36,897	136	5	...	2,911	67	...	10	...
Jaipur ...	408	...	...	...	...	...	432	...	...	...	...	...
Total	173,463	239	3,943	175,820	230	4,350	1,279	3,655	73	3	51	354
							2,376		69		307	

NAME OF CANAL.	Area under command.	Area provided with distributaries.	Area under lease on 31st March 1892.	PERCENTAGE OF AREA LEASED.	
				Under command.	Provided with distributaries.
1	2	3	4	5	6
	Acres.	Acres.	Acres.		
Kendrapara ... ..	101,110	95,120	55,370	54.76	58.21
Gobri ... ..	21,290	4,668	3,386	15.90	72.54
Gobri Extension .. ..	32,000	1,450	3,138	10.74	237.10
Pattamundi ... ..	51,250	37,829	12,829	25.03	33.91
Taldundah ... ..	75,278	21,850	10,884	14.40	49.81
Machgong ... ..	97,057	54,480	33,405	34.42	61.32
High Level Canal, Range I ...	48,815	48,815	22,102	45.27	45.27
Ditto do. II ...	10,300	...	2,591	25.91	...
Ditto do. III ...	57,500	44,047	40,993	71.29	93.06
Jajpur Canal ... ..	70,000	600	667	0.95	111.17
Total ..	564,900	308,859	185,665	32.90	60.11

The Superintending Engineer further remarks:—

"The area provided with distributaries is also increased from 252,866 to 308,859 acres by the completion of 126 miles of new distributaries during the year, owing to which no fair comparison can be made between the percentages of the area leased during the two years. It may, however, be remarked that, as the new distributaries were completed up to certain lengths late in the year, only a small number of leases have been taken on some of them.

"In the irrigation of the leased areas no difficulty was experienced in the Mahanadi Division in giving a full supply. In the Brahmini-Byturni Division, however, the floods at the end of July completely silted up the Jugatpur supply channel, and supply had to be partially shut off in consequence. The heavy rainfall of August made up for the limited supply, and the crops did not suffer. An estimate is now in hand for an alternative supplementary head sluice and channel for the Kendrapara Canal. Full supply was given throughout the season on the High Level Canal ranges, although some difficulty was experienced in the middle of July from the low pools in the Brahmini and Byturni rivers.

"The monsoon did not break until the end of June. There was considerable demand in July owing to the scanty rainfall. August and September were months of heavy rainfall, and there was little demand. In October there was an almost entire cessation of rainfall, and unirrigated crops suffered severely. The demand for canal water was keen, the canals running full supply, and there were but few and casual complaints of short supply. The raiyats on irrigable but uncultivated lands held out until late in October, when applications were received for new leases, more particularly on the Machgong Canal. On the Taldundah Canal the raiyats held off in the belief that irrigation could be effected by bunding the main drainage, being misled by designing people. On the Jajpur Canal a considerable area was irrigated, though only a small part of this was assessed, the assessment being made only on the areas declared by the villagers. The drought continued until the 4th November, when with the heavy rainfall accompanying a cyclonic storm irrigation ceased.

On the High Level Canal, Range III, the first section of the Kendrapara Canal, and on the first section, Taldundah Canal, the area leased has nearly reached its maximum. An

interesting table for Range III, High Level Canal, submitted by the Executive Engineer, Acoquapada-Jajpur Division, is annexed:—”

NAME OF CANAL.	Irrigable area under command.	CULTURABLE AREA.					Horticultural and waste lands.	Total of columns 8 and 9.	DIFFERENCE OF COLUMNS 8 AND 9.	
		Leased area.	Irrigable low lands.	Chautidars' jagirs.	Area irrigable but uncult.	Total.			Less.	More.
1	2	3	4	5	6	7	8	9	10	11
Distributary No. 2	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
Ditto " 2A	1,581	1,020	2,370	18	...	3,420	346	4,685	...	2,920
Ditto " 3	443	...	...	45	250	...	279	...	...	...
Ditto " 3A	1,394	10,221	710	10	...	11,370	222	13,284	...	3,114
Ditto " 3B	4,397	...	...	52	100	...	620	...	...	...
Ditto " 4	6,126	5,945	372	124	145	6,430	2,740	9,270	...	3,173
Ditto " 5	5,589	3,008	2,416	81	151	6,335	743	7,078	...	1,472
Ditto " 6	1,013	147	40	14	...	1,014	607	1,621	...	611
Ditto " 7	5,158	4,055	802	75	1,200	5,822	2,045	7,867	...	4,340
Total distributaries	30,050	30,330	8,824	431	1,816	33,444	10,013	55,447	...	15,386
Main and Branch Canal	5,915	4,923	1,406	76	97	6,903	2,827	9,810	...	3,804
Total	35,964	35,253	10,230	507	1,913	40,347	12,840	53,286	...	19,190

18. The figures below show the duty, stated in acres irrigated for each cubic foot per second of discharge, calculated from the gross discharge at canal heads for the last three years:—

DUTY OF WATER.

PARTICULARS.		Kendrapara Canal system.	Taldundah Canal system.	High Level Canal, Range I.	High Level Canal, Range II.	High Level Canal, Range III.	Jajpur Canal.
1		2	3	4	5	6	7
1891-92	{ Kharif ... Acres	70,686	41,570	22,394	2,451	36,189	452
	{ Duty on gross supply	80 05	103 99	84 75	24 95	117 69	...
	{ Rabi ... Acres	3,494	336	29	62	22	...
1890-91	{ Duty on gross supply	7 30	3 50	0 14	2 88	1 02	...
	{ Kharif ... Acres	71,403	41,247	21,893	2,473	39,033	...
	{ Duty on gross supply	66 42	102 22	66 07	37 61	107 81	...
1889-90	{ Rabi ... Acres	3,567	559	91	30	3	...
	{ Duty on gross supply	9 46	13 31	1 79	2 11	0 43	...
	{ Kharif ... Acres	73,122	39,641	26,121	2,501	39,345	...
	{ Duty on gross supply	80 77	78 19	102 92	44 46	83 01	...
	{ Rabi ... Acres	4,752	605	478	62	...	...
	{ Duty on gross supply	15 92	3 71	3 95	2 38	...	...

The area under irrigation in the *rabi* season is so small that the duty in that season is of no importance. There is a satisfactory increase in the duty in the *kharif* season in the case of all the canals in which the area is considerable.

The following table gives the duty attained during the month of October only, when the greatest strain on the canals occurred:—

	Kendrapara Canal system.	Taldundah Canal system.	HIGH LEVEL CANAL—			Jajpur Canal.	Total (omitting Jajpur Canal).
			Range I.	Range II.	Range III.		
1	2	3	4	5	6	7	8
Area of kharif	70,686	41,570	22,394	2,451	36,189	452	173,200
Discharge at head	1,738	654	409	203	481	...	3,024
Duty on gross supply	23 23	63 56	54 75	12 10	83 97	...	87 34

On the Kendrapara Canal system, the average discharge from the 6th October to the 4th November inclusive was 1,450 cubic foot per second, which gives a duty of 48.75 acres per cubic foot per second on the average maximum sustained discharge. The maximum average discharge for seven consecutive days occurred from 28th October to 2nd November inclusive, and amounted to 1,695 cubic foot per second. Calculated on this figure, the duty for the maximum discharge was only 41.70 acres. Regarding the Taldundah Canal system, the Superintending Engineer writes:—

“A considerably higher duty was obtained on the Taldundah Canal system during October, regarding which Mr. Butler makes the following observations:—

“The greatest demand for irrigation was during the last ten days of October, and during that time the average discharge of both Taldundah and Machgong Canal was 638 cubic feet per second, the area irrigated being 43,559 acres. The duty was 68 acres per cubic foot per second. Taking the Taldundah and Machgong Canals separately, the discharges were 189 and 450 cubic feet per second, and the areas irrigated 10,264 and 3,295 acres, and the duty 67 and 74 acres per cubic foot per second. There being no rain and hot sun all during October, the distributaries were put to as severe a test as may ever be expected. The duty obtained, viz., 68 acres per cubic foot per second, is low, but with the outlets properly sized and regulated, a duty of 80 acres per cubic foot per second could easily be obtained, and I should think with very careful regulation we might obtain a duty of 90 as on the Machgong Canal. With the outlets very imperfectly sized and regulated, and with an area of 2,500 acres irrigated from the new distributaries, which being perfectly dry absorbed a large quantity of water, a duty of 74 acres per cubic foot per second was obtained. I can account for the low duty obtained on the Taldundah Canal only by the fact that the length of the distributaries compared with the area irrigated is very long, and the outlets are too large and numerous.

“There was great demand for water between the 5th October and 5th November, and more particularly during the last week of October, until the rain came. Practically no water was escaping, and, assuming that the whole area received two waterings during the month, the gross duty of the whole canal system is fifty acres per cubic foot. If we take the water supplied from the 5th October to 5th November, and assume that it all reached the fields, it would have been sufficient to cover the area irrigated to a depth of 15½ inches.”

“There can be little doubt that up to now there has been considerable, if not a great, waste of water, and this can only be remedied by a more economical use and retention of supply by the riyats, and by a more carefully regulated supply from the canal based on a more exact knowledge of the irrigable lands, and on a more careful selection of the areas that should be leased. The change of procedure under the new rules will ensure this.”

CROP EXPERIMENT.

19. The outturn of crops was tested during the year by 261 experiments, of which 162 were on land irrigated by canal water and 99 on unirrigated land. The results are tabulated below:—

NAME OF DIVISION.	Number of experiments.	OUTTURN PER ACRE FROM IRRIGATED LAND.		Number of experiments.	OUTTURN PER ACRE FROM UNIRRIGATED LAND.		VALUE OF OUTTURN FROM IRRIGATED LAND.		VALUE OF OUTTURN FROM UNIRRIGATED LAND.	
		Paddy.	Straw.		Paddy.	Straw.	Paddy at Rs. 1 per 10 maunds maund.	Straw at Rs. 1 per 10 maunds per rupee.	Paddy at Rs. 1 per 10 maunds maund.	Straw at Rs. 1 per 10 maunds per rupee.
1	2	3	4	5	6	7	8	9	10	11
		Mds.	Mds.		Mds.	Mds.	Rs.	Rs.	Rs.	Rs.
Mahanadi ... ..	46	800'00	673'00	27	297'00	256'00	500'00	74'78	287'00	28'46
Brahmini-Byturni ... ..	62	1,016'38	1,194'00	34	409'06	437'17	1,016'38	132'08	408'65	48'87
Acquapada-Jajpur ... ..	47	872'73	1,223'65	38	507'84	603'61	872'73	139'21	507'64	73'73
Total ...	162	3,689'11	3,119'94	99	1,203'10	1,356'78	2,689'11	346'67	1,203'19	186'78
Average of all experiments per acre ... ..	...	16'00	19'26	...	12'15	13'70	16'00	2'14	12'15	1'88
Average of five years ending with 1890-91 ... ..	1890-91	20'76	22'89	...	16'06	16'12	20'76	2'31	16'06	1'79
	1886-90	21'61	23'00	...	15'71	16'40	21'01	2'56	15'71	1'60
	1884-89	16'23	20'72	...	11'02	16'05	16'23	2'24	11'02	1'66
	1887-88	12'81	16'84	...	9'28	12'00	12'25	1'67	9'21	1'19
	1886-87	15'00	23'87	...	12'36	19'20	15'01	2'40	12'21	1'84

20. The following figures show the balances outstanding at the commencement of the year under review :—

ASSESSMENTS,  
COLLECTION  
AND BALANCES.

			Rs.
Water-rates	...	...	1,98,364
Miscellaneous Revenue	...	...	267
Total	...	...	1,98,631

as against the balances outstanding on 1st April 1892, which were—

			Rs.
Water-rates	...	...	2,33,704
Miscellaneous Revenue	...	...	267
Total	...	...	2,33,971

20. The balances, assessments, and recoveries of water-rates for the last five years are given in the table below :—

YEAR.	Amount outstanding at com- mencement of year.	Amount falling due during the year.	Total for recovery.	Cash realizations.	Remitted. or written off.	Balance at the end of the year.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1887-88	87,458	1,50,297	2,37,755	1,37,869	7,777	92,109
1888-89	92,109	1,96,765	2,88,874	1,51,365	22,912	1,14,597
1889-90	1,14,597	2,87,277	4,01,874	1,99,844	25,268	1,76,762
1890-91	1,76,762	2,69,650	4,46,412	2,09,806	38,242	1,98,364
1891-92	1,98,364	2,82,800	4,81,244	2,17,256	30,284	2,33,704

During the last five years the outstanding balance has steadily risen from Rs. 87,458 at the beginning of 1887-88 to Rs. 2,33,704 at the close of the year under review. This unsatisfactory state of affairs is in some measure attributable to the failure of the ijāradārī system of collection, but this is not in itself sufficient to account for the high figure to which the unrealised balance has been allowed to rise. The Commissioner, in a marginal remark on the Special Deputy Collector's Report for the year under review, attributes the bad percentage of collections to a want of energy and bad management on the part of the officer responsible, who has been transferred to other duty. The Special Deputy Collector, who assumed charge of the collections after the close of the year under review, has since been making strenuous efforts to reduce arrears, and in the first seven months of the year now current Rs. 204,048 have been collected. The balance on the 1st of November stood at Rs. 97,820, and it is expected that the figures at the end of the year will show a marked improvement on the results of the last three years' administration.

(CERTIFICATES)

21. The following table shows the progress of the year in realizing arrears and current demand:—

Year in which irrigation occurred.	DEMANDS.			Collected or remitted.	Balance on 31st March 1892.
	Arrears on 31st March 1891.	Demands for 1891-92.	Total.		
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
1888-89 and previous years.	31,897	9,074	40,971	32,631	8,350
1889-90 ...	58,048	8,389	66,382	46,000	20,341
1890-91 ...	1,08,424	87,053	1,95,477	1,13,537	81,940
1891-92 ...	...	1,78,414	1,78,414	55,382	1,23,033
Total ...	1,98,364	2,82,850	4,81,244	2,47,540	2,33,704

On 31st March 1891 the oldest arrears were Rs. 1,022, which fell due in the year 1886-87, out of which Rs. 544 were collected during the year. On this subject the Commissioner remarks:—

“The older an arrear is the greater is the difficulty of realising it and the more heart-burnings it causes to the detriment of the department.”

The Special Deputy Collector adds:—

“Every endeavour is being made to work off these arrears.”

ARREARS.

22. The amount realised by the Collectors on water-rates and miscellaneous revenue was Rs. 2,28,451, out of which Rs. 34,336 were recovered on certificates issued under the Public Demands Recovery Act. The amount so collected in 1890-91 was Rs. 24,964. The following statement gives details of the amounts recovered by certificate:—

BY WHOM COLLECTED.	Water-rates.	Miscellaneous.	Total water-rates and miscellaneous.	Value of court-fee stamps affixed on the certificates realised by the Certificate Officer during 1891-92.
1	2	3	4	5
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Cuttack Certificate Officer ...	25,666 4 4	1,279 8 1	26,945 12 5	2,724 6 8
Balashore Certificate Officer ...	7,387 10 5	52 12 11	7,390 7 4	270 0 0
Total, 1891-92 ...	33,003 14 9	1,332 5 0	34,336 8 9	3,004 6 8
Total, 1890-91 ...	24,261 13 1	681 11 3	24,968 8 4	6,067 5 0

In the following table is shown (approximately) the amount of certificate work done in each district :—

	CUTTACK.				BALASORE.				TOTAL.			
	1891-92.		1890-91.		1891-92.		1890-91.		1891-92.		1890-91.	
	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.
1	2	3	4	5	6	7	8	9	10	11	12	13
		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
Cases for disposal—												
1. Cases pending at the close of the preceding year ...	7,660	23,609	6,327	16,100	1,444	3,900	211	805	9,044	27,499	6,434	16,906
2. Cases instituted during the year ...	7,004	24,049	11,220	20,853	949	4,470	2,309	5,711	8,643	28,519	13,304	36,504
Total ...	15,254	47,648	17,453	46,953	2,433	8,370	2,570	6,516	17,687	56,018	20,732	52,470
Cases disposed of—												
1. By being struck off owing to the demand having been remitted ...	1,200	2,404	872	88	70	142	8	62	1,375	2,607	540	110
2. By being wholly satisfied ...	9,573	25,094	9,321	22,207	2,136	7,198	1,097	2,604	11,700	32,392	10,406	24,861
Total ...	10,873	27,558	9,693	22,365	2,212	7,341	1,096	2,616	13,074	34,999	10,986	24,971
Balance outstanding at the close of the year ...	4,382	20,090	7,500	23,004	221	1,029	1,494	3,900	4,603	21,119	0,044	27,499

Although good progress has been made during the year in disposing of certificate cases, the number pending at the close of the year was still large. It is satisfactory to be able to note that, out of the 4,603 cases pending, 3,575 had been disposed of by August 1892. The Special Deputy Collector remarks:—

“The number of cases struck off in the Cuttack district was unduly large. It is to be hoped that these cases will be reduced in future by the exercise of proper discretion in filing them. Instructions have been issued to zilladars to the effect that in pursuance of the provision of the Public Demands Recovery Act they should, as a rule, apply for such dues as may not afterwards be found irrecoverable.”

23. The number of objections against assessment filed and disposed of COMPLAIN during the year are shown in detail below :—

DIVISION.	(I) - ORDINARY REMISSIONS.				(II to IV) - OTHER COMPLAINTS.				Total complaints received during the year ending those pending from previous year.	Pending.	REMARKS.
	Received during the year and pending from previous year.	Disposed of.		Pending.	Received during the year and pending from last year.	Disposed of.					
		Remission allowed.	Remission refused.			Allowed.	Rejected.	Pending.			
1	2	3	4	5	6	7	8	9	10	11	
1.—Water-rates—											
Lands not irrigated ... ..	787	536	159	88	...	...	...	...	501	58	
Do. damaged ... ..	548	289	46	53	...	...	...	...	239	63	
Erroneous assessment ... ..	610	427	76	108	...	...	...	...	249	106	
Regulators not allowed in drainage cuts.	22	14	5	3	...	...	...	...	17	3	
Chowkidars' jaghir ... ..	189	156	14	20	...	...	...	...	147	20	
Double assessments ... ..	102	163	20	...	...	...	...	...	134	...	
Appeals ... ..	7	7	...	...	...	...	...	...	6	...	
2.—Miscellaneous ... ..	408	272	42	92	...	...	...	...	319	92	
3.—Mutations and other complaints.	...	...	..	...	2,004	1,049	180	466	2,118	466	
Total, 1891-92 ... ..	2,507	1,643	370	304	2,604	1,049	180	466	3,780	630	
Total, 1890-91 ... ..	4,500	3,336	287	635	1,796	1,273	36	466	3,185	1,421	



The Special Deputy Collector writes:—

“The number of objections filed was greater than that in the previous year, but the disposal of cases was more satisfactory. The number pending at the end of the previous year was 1,421, whereas at the end of the year 1891-92 it was only 830.

“The timely issue of purchases and prompt collection are the best means of reducing the number of objections.”

REMISSIONS.

24. Sums aggregating Rs. 30,485 were remitted and written off as irrecoverable during the year, against Rs. 38,688 in the year previous. The following is the Deputy Revenue Superintendent's classification of the reasons for remission:—

*Revision of Assessment.*

			Rs.	A.	P.
(a) Unirrigated crops	...	...	16,360	3	5
(b) Damaged	...	...	8,034	4	11
(c) Chowkidar's jageer	...	...	2,087	0	6
Total	...	...	26,481	8	10

*Remissions.*

(a) Waste land	...	...	928	4	1
(b) Land occupied by canals	...	...	44	6	7
(c) Twice assessed	...	...	491	6	4
(d) Barred by limitation	...	...	105	15	1
(e) Excessive realizations	...	...	562	4	9
(f) Change of rates	...	...	195	11	6
(g) Erroneous assessments	...	...	591	8	6
(h) On account of death of defaulter	...	...	101	14	6
(i) Absconding of defaulter	...	...	322	11	9
(j) Lease cancelled	...	...	138	1	1
Total	...	...	3,480	4	2

*Written off.*

Irrecoverable demands	...	...	523	9	5
Total	...	...	30,485	6	5

The Superintending Engineer remarks:—

“The remissions granted under a, &c., amounting to four-fifths of the whole, are to a large extent fictitious, as noted in last year's report, and are the result of a pernicious system of including in the lease and demand high lands that cannot be irrigated and low lands that do not require irrigation. Under the rules recently introduced this will be done away with, and the area leased will truly show the area to which irrigation is to be given, and for which the Engineers will be responsible for giving a full supply that will ensure a full crop. In this connection I beg to refer to the correspondence ending with Bengal Government's No. 2741 of 4th March 1892.

“The undernoted table shows against what year's dues the remission of Rs. 29,760 have been granted; that they should only last year have been granted for dues since 1886-87 shows a lamentable want of energy and system in the Collecting Department:—

Year.			Amount.		
			Rs.	A.	P.
1886-87	...	...	61	3	1
1887-88	...	...	331	4	0
1888-89	...	...	2,085	3	0
1889-90	...	...	10,169	6	7
1890-91	...	...	16,820	12	11
1891-92	...	...	292	5	6
Total	...	...	29,760	3	1

25. The statement below compares the cost of the revenue establishment for the last five years:—

REVENUE  
ESTABLISH-  
MENT.

	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6
<i>Establishment under Collector.</i>	Rs.	Rs.	Rs.	Rs.	Rs.
Permanent establishment, including travelling allowance ... ..	20,255	21,448	22,116	21,848	22,014
Temporary establishment ... ..	8,494	9,941	19,112	17,451	17,504
Contingencies ... ..	2,218	2,889	4,482	2,928	3,458
Headmen's fees ... ..	2,208	1,680	2,244	2,803	6,591
<i>Establishment under Executive Engineer.</i>					
Permanent and temporary establishment ... ..	2,964	3,052	3,308	3,417	3,447
Water-regulation establishment ... ..	4,161	4,151	4,150	4,144	4,127
Total ... ..	40,300	43,161	55,502	52,591	57,141
Collections of water-rates and miscellaneous revenue by the Canal Revenue Department ... ..	1,46,039	1,60,328	2,09,823	2,19,692	2,28,451
Percentage ... ..	27.6	26.9	26.4	23.9	25.0

There has been an increase in the cost of establishment to the extent of Rs. 4,550, which is mainly due to arrears of headmen's fees amounting to Rs. 3,788, due for previous years, having been paid in this year.

26. The receipts from navigation include the earnings of the transport service maintained by Government on the High Level Canal between Cuttack and Bhuddruck and Acquapada and Jajpur, a distance of 80½ miles each way, in addition to tolls on boats and rafts. The management of the canals is, in this respect, entirely in the hands of the engineering staff.

NAVIGATION.

An increase of 24½ miles has taken place in the total length of the canals owing to the opening of the Taldundah Extension Canal and of three miles of feeder channel on the Gobri Extension Canal.

27. The tollage receipts of each of the canal systems for the last five years are shown below:—

TOLLAGE.

YEAR.	TALDUNDAH CANAL SYSTEM.		KENDRAPARA CANAL SYSTEM.		HIGH LEVEL CANAL, RANGE I.		HIGH LEVEL CANAL, RANGE II.		HIGH LEVEL CANAL, RANGE III.		JAJPUR CANAL.		TOTAL.	
	Number of miles open.	Tollage receipts.	Number of miles open.	Tollage receipts.	Number of miles open.	Tollage receipts.	Number of miles open.	Tollage receipts.	Number of miles open.	Tollage receipts.	Number of miles open.	Tollage receipts.	Number of miles open.	Tollage receipts.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1887-88	No. 31	Rs. 6,307	No. 75	Rs. 40,020	No. 33	Rs. 8,396	No. 124	Rs. 4,085	No. 19	Rs. 1,311	No. 1704	Rs. 61,025	No. 177	Rs. 61,025
1888-89	31	4,310	75	53,748	33	9,642	124	3,302	19	1,401	177	61,830	177	78,030
1889-90	31	4,425	75	60,245	33	8,346	124	3,455	19	1,386	177	78,030	177	1,06,061
1890-91	31	3,144	75	80,907	33	12,329	124	3,182	19	2,174	177	1,06,061	177	1,20,761
1891-92	31	4,357	75	98,408	33	12,364	124	3,027	19	1,775	177	1,20,761	177	1,20,761

The total Rs. 1,20,761 includes private traffic to the amount of Rs. 1,15,881, the balance, Rs. 4,880, being the ~~actual~~ toll charges on Government boats. The increase in tollage from private traffic, compared with 1890-91, is Rs. 16,638. This is due in some measure to the canals having been closed for shorter periods this year, but the principal cause is the expansion of local traffic, mainly in rice, which occurred on the Taldundah Canal and Ranges I and II of the High Level Canal. On the Kendrapara Canal there was a falling-off of 5,974 tons in the grain traffic.

The Superintending Engineer writes:—

"It is known that during the freshets in the Mahanadi last rains, the rice merchants sent their cargoes by the Taldundah Canal, owing to the Kendrapara Canal head lock being

partly silted up, and this accounts for part of the increase, The Executive Engineer reports that a part of the increase on the Taldundah Canal is undoubtedly due to an increase in local traffic, which was unfortunately checked by breaches in the Taldundah Extension Canal, caused by the cyclonic storm of November last. The local traffic chiefly consists of rice, which is carried by boats from Rahama in the 38th mile to Bhutmundi in the 50th mile, where it is stored for despatch to False Point along the Mahanadi river. Rice is also sent from near Tirtole to Cuttack by canal, and a gradual expansion of this local traffic is anticipated.

"The increases on the High Level Canal, Ranges I, II, and III, are explained by the Executive Engineer as due to a large quantity of rice having been imported into Cuttack. Less rice was exported from Jajpur than last year."

The increase in the navigation revenue, especially in the Kendrapara Canal, the tollage on which averages Rs. 1,262 per mile, is encouraging; over the whole system the tollage amounts to Rs. 584 a mile.

TRAFFIC. 28. Details regarding the traffic (excluding the transport service) of all the canals in Orissa for the last ten years are given in the following table:—

	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6	7	8	9	10	11
Number of miles open ... No.	164½	164½	164½	170½	170½	170½	177	177	177	204½
Toll collections ... Rs.	66,736	61,003	52,784	64,003	58,064	68,638	60,830	78,030	1,00,001	1,20,766
Rate of toll per mile ...	405.6	374.4	320.8	375.9	344.1	400.7	343.5	440.9	564.3	590.5
Number of boats plying ... No.	13,425	15,507	18,708	20,002	14,311	13,084	11,475	11,037	12,005	12,946
Tonnage of cargo and passenger boats ... Tons.	142,093	145,063	157,077	190,142	119,338	176,006	133,674	186,019½	250,243	266,001½
Estimated value of cargo, including rafts ... Rs.	43,98,758	47,50,658	44,80,106	46,32,733	41,41,000	50,32,003	47,40,037	48,04,325	55,21,551	65,40,766

TRANSPORT SERVICE. 29. The cost of working the transport service between Bhuddruck and Cuttack and between Acquapada and Jajpur was Rs. 16,636, and the actual receipts Rs. 14,967. The loss incurred on this service is therefore Rs. 1,669, against a loss of Rs. 3,851 in the previous year.

The working charges for 1891-92 include Rs. 4,880 as tollage, while the earnings include Rs. 690, hire of boats; allowing for which the expenditure was Rs. 11,756 and the earnings Rs. 14,277, or a net profit of Rs. 2,521 against Rs. 1,626 in the previous year.

MISCELLANEOUS RECEIPTS. 30. The miscellaneous receipts for the last five years are shown in the following statement:—

DETAILS.		1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1		2	3	4	5	6
		Rs.	Rs.	Rs.	Rs.	Rs.
Sale of water	...	96	41	243	222	56
Plantations	...	1,131	1,450	728	1,035	917
Other canal produce	...	377	895	568	845	936
Water-power	...	...	...	...	..	...
Rent of buildings	...	5,000	4,855	4,781	3,067	6,332
Fines	...	...	...	...	...	...
Miscellaneous	{ Rent of lands	5,678	5,857	7,659	6,793	8,232
	{ „ fisheries	768	677	920	1,039	1,104
	{ Cost of process	278	68	63	6	...
	{ Sales of old materials	...	31	65	100	96
	{ Other items	843	168	116	601	170
Total		14,171	14,242	15,143	13,708	17,843

31. The Superintending Engineer gives the charge for maintenance and repairs during the year as Rs. 1,75,467, distributed as below :—

MAINTENANCE  
AND REPAIRS.

	1889-90.	1890-91.	1891-92.
1	2	3	4
	Rs.	Rs.	Rs.
Extensions and improvements ... ..	...	11,081	8,679
Head-works ... ..	75,300	74,407	48,154
Main canals ... ..	1,09,839	90,592	82,741
Distributaries ... ..	23,988	21,992	15,324
Drainage and protective works ... ..	15,508	12,676	10,389
Cost of working transport service ... ..	5,829	11,478	10,180
Total ... ..	2,30,464	2,22,226	1,75,467

32. The maintenance of the weirs accounts for Rs. 38,681 out of the total Rs. 48,154 spent on head-works. Details are given below :—

HEAD-WORKS.

NAME OF WEIR.	Length.	EXPENDITURE.			RATE PER RUNNING FOOT.		
		1889-90.	1890-91.	1891-92.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6	7	8
	Feet.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Naraje ... ..	3,833	10,275	4,728	3,194	2-68	1-23	2-68
Mahanadi ... ..	6,349	30,331	33,340	19,484	4-78	5-25	4-78
Boropa ... ..	1,980	4,709	7,616	8,433	2-38	3-85	2-38
Brahmini... ..	4,000	2,170	4,302	2,721	0-54	1-08	0-54
Pattia ... ..	783	2,203	4,194	2,538	2-81	5-36	2-81
Byturni ... ..	1,026	6,295	3,792	1,244	6-14	3-70	6-14
Burrah ... ..	526	5,470	4,450	1,067	10-40	8-46	10-40
Total of all weirs ..	18,497	61,453	62,422	38,681	3-32	3-37	3-32

The reduction of expenditure on repairs to weirs is due to the absence of heavy floods. At the Boropa weir the rubble packing was worn out, and had to be replaced.

MAIN AND  
BRANCH  
CANALS.

33. The expenditure on each canal for the last three years is shown below:—

CANALS.	1890-90.			1890-91.			1891-92.		
	Miles.	Cost.	Per mile.	Miles.	Cost.	Per mile.	Miles.	Cost.	Per mile.
1	2	3	4	5	6	7	8	9	10
Kendrapara ...	No. 30	Rs. 20,180	Rs. 748	No. 30	Rs. 20,723	Rs. 787	No. 30	Rs. 24,420	Rs. 827
Ditto extension ...	15	2,882	180	15	1,835	122	15	2,440	163
Gobri ...	15	7,410	494	15	8,448	563	15	10,368	691
Do. extension ...	6	3,222	537	6	14,406	2,401	6	7,516	1,253
Pattamundi ...	47	3,090	65	47	9,072	193	47	4,367	93
Taldundah ...	27	22,124	819	27	6,471	239	27	7,597	281
Machgong ...	19	12,713	669	33	5,465	172	33	6,071	184
High Level, Range I ...	33	13,145	398	33	12,017	364	33	9,100	276
Ditto, do. II ...	12½	8,798	463	12½	5,757	300	12½	4,071	326
Ditto, do. III ...	10	8,280	457	10	5,380	394	10	4,907	290
Jajpur Canal ...	6½	721	111	6½	1,033	159	6½	1,275	196
Total ...	230	1,09,869	470	252	90,746	395	270½	82,741	305

The maintenance charges of main canals fell from Rs. 99,756 to Rs. 82,741. The expenditure by subheads in each canal is commented on by the Superintending Engineer with explanations of increases and decreases. The Kendrapara Canal shows a reduction of expenditure at the rate of Rs. 1,607 per mile, or Rs. 6,267 in all, in spite of increased charges for silt clearing, owing to the supply lock and channel having silted up during floods, and of damages to buildings by the cyclone. There is a small increase on the Kendrapara Extension Canal. A large amount of jaffry work for bank protection was carried out on the Gobri Canal, and silting was heavy, while the damage done to buildings by the cyclone also caused excess, the result being a raising of the mileage rate by Rs. 122·5. There were material reductions on the Gobri Extension Canal and on the Pattamundi Canal, the expenditure on the latter being Rs. 4,367 against Rs. 9,972 last year, owing to economy in repairs to banks and masonry works. Expenses have risen on the Taldundah Canal, the causes being increased silt-clearing and dredging, cyclone damages, and the cost of repairs to ferry boats which is now charged to repairs instead of to tools and plant as heretofore. The two last-mentioned causes also operated to raise the charges on the Machgong Canal, and, combined with increased cost of repairing the canal banks, brought the mileage rate up to Rs. 208·5 against Rs. 171·8 in 1890-91. On the High Level Canal there was, on the whole, a reduction, mainly on Range I, under all heads except repairs to banks, and on the Jajpur Canal a small excess of Rs. 243, due to bank repairs.

DISTRIBUTU-  
TARIES.

34. The average mileage rate for the maintenance of distributaries was Rs. 20·94 as compared with Rs. 30·06 in the previous year:—

	1890-90.			1890-91.			1891-92.		
	Miles.	Cost.	Per mile.	Miles.	Cost.	Per mile.	Miles.	Cost.	Per mile.
1	2	3	4	5	6	7	8	9	10
DISTRIBUTARIES.	No.	Rs.	Rs.	No.	Rs.	Rs.	No.	Rs.	Rs.
Kendrapara Canal System ...	333½	9,890	29·44	367	9,975	27·24	357	6,574	18·41
Taldundah Canal ...	71½	3,008	42·31	71½	1,853	27·31	71½	1,166	16·30
Machgong Canal ...	192½	5,009	26·34	192½	4,064	21·41	123½	2,763	22·33
High Level Canal, Range I ...	131½	5,125	39·30	131½	3,961	30·14	131½	2,063	15·69
Ditto, do. II ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ditto, do. III ...	.....	.....	.....	40½	2,019	4·80	40½	2,166	53·50
Total ...	668½	23,994	36·41	731½	31,902	43·60	731½	15,324	20·94

The lengths of distributaries in the above are those which have been brought on the revenue account, and consequently differ from the lengths given in paragraph 13 which include all so far advanced as to be fit for use, whether the capital account is still open or not.

The Superintending Engineer remarks : —

“ The expenditure on distributaries is Rs. 6,668 less than that of the previous year ; the mileage rate being only Rs. 20·94, against 30·06 for a length of 731½ miles. This rate is abnormally low, and a considerably increased expenditure will be required for the next two years to place the distributaries in good working condition. Levels are now being taken of all distributaries and recorded, and *datum* blocks are being fixed throughout their length. When this has been completed, bed clearance will be effected in a more systematic and economical way than has hitherto been found possible, and the branch distributaries more particularly will be made fully effective.”

35. The total expenditure on drainage and protective works was Rs. 10,389 against Rs. 12,696 in 1890-91. The most important items under this head are the protective embankments on the High Level and Taldundah Canals, and the drainage channels connected with the Kendrapara, Taldundah, and Machgong Canals. DRAINAGE AND  
PROTECTIVE  
WORKS.

36. The cost of silt-clearing and dredging during the year 1891-92 is given in the following table :— DREDGING AND  
SILT-CLEARING.

1	Silt-clearing.			Dredging.		
	Quantity.	Cost.	Rate per 1,000 c. ft.	Quantity.	Cost.	Rate per 1,000 c. feet.
	2	3	4	5	6	7
	C. feet.	Rs.	Rs.	C. feet.	Rs.	Rs.
Kendrapara Canal ...	696,541*	2,989	4·29	1,151,704	7,797	6·77
„ Extension ..	...	...	...	18,710	128	6·84
Pattamandi Canal ...	65,201	161	2·16	...	...	...
Gobri Canal ...	687,620	1,547	2·25	...	57	...
„ Extension ...	352,889	883	2·50	...	1,415	...
High Level Canal, Range I ...	316,800	948	3·00	...	...	...
Taldundah Canal ...	295,055	1,685	5·71	79,380	529	6·66
Machgong Canal ...	20,956	52	2·48	...	...	...
High Level Canal, Range II ...	456,221	1,113	2·44	61,166	207	3·38
Jajpur Canal ...	24,387	78	3·20	...	...	...
High Level Canal, Range III ...	392,810	924	2·36	...	...	...
Total ...	3,307,980	10,380	3·14	1,310,960	10,133	7·73

\* 496,011 cubic feet of silt hand dredged are included in this item; hence the high rate.

The cost of raising and delivery of the silt has amounted to Rs. 4·31, and that of haulage and discharge to Rs. 2·43 per thousand cubic feet on the Kendrapara Canal. The rates for the Kendrapara Extension Canal are Rs. 4·59 and Rs. 2·25, respectively.

PLANTATIONS.

37. The following table shows the state of the plantations for the last two years :—

Year.	Trees over 12 feet.	Saplings from 4 to 12 feet.	Seedlings below 4 feet.	Total.
1	2	3	4	5
1890-91 ...	No. 69,741	No. 26,806	No. 50,061	No. 146,608
1891-92 ...	66,307	34,469	23,244	124,020

## MIDNAPORE CANAL.

CAPITAL AC-  
COUNT.

38. The Capital, Interest, and Revenue Accounts of this Canal are given below :—

## 1.—CAPITAL ACCOUNT.

HEADS OF ACCOUNT.	Outlay during 1891-92.	Outlay to the end of 1891-92.
1	2	3
<b>DIRECT CHARGES.</b>	<b>Rs.</b>	<b>Rs.</b>
I.—Works ... ..	...	53,53,397
II.—Establishment ... ..	...	19,25,180
III.—Tools and plant ... ..	14,469	9,16,982
IV.—Suspense accounts ... ..	...	.....
Loss by exchange ... ..	...	94,800
<b>Total ...</b>	<b>14,469</b>	<b>82,90,269</b>
<b>V.—Less—Receipts on Capital Account</b>	<b>...</b>	<b>31,558</b>
<b>Total direct charges ...</b>	<b>14,469</b>	<b>82,58,711</b>
<b>INDIRECT CHARGES.</b>		
Capitalization of abatement of land revenue ... ..	...	168
Leave and pension allowances ... ..	...	1,83,965
<b>Total indirect charges ...</b>	<b>...</b>	<b>1,84,133</b>

All capital expenditure on this canal is now, agreeably to the orders of the Government of India, charged to the head 43—Minor Works and Navigation, and provided from Provincial Funds, the canal being no longer classed as a productive work. The expenditure of the year, amounting to Rs. 14,469, was incurred on the construction of a steam-tug.

## 2.—INTEREST ACCOUNT.

INTEREST AC-  
COUNT.

Interest charges to end of 1890-91 ...	Rs. 60,79,140
Ditto for 1891-92 ...	8,30,059
<b>Total ...</b>	<b>64,09,199</b>

**SUPPLEMENT TO THE CALCUTTA GAZETTE, JANUARY 11,**

**B.—REVENUE ACCOUNT (Actuals).**

PARTICULARS.	EXPENDITURE.		PARTICULARS.	RECEIPTS.	
	During 1890-91.	During 1891-92.		During 1890-91.	During 1891-92.
1	2	3	4	5	6
	Rs.	Rs.		Rs.	Rs.
<b>DIRECT CHARGES.</b>					
<b>I.—Maintenance and repairs.</b>					
Works (extensions and improvements) ...	.....	.....	Water-rates ...	1,15,438	1,32,081
Repairs ...	1,05,038	1,41,262	Navigation ...	1,12,754	1,32,572
Compensation ...	.....	.....	Miscellaneous ...	9,004	19,147
Establishment, including direction and accounts ...	39,562	35,278	Total ...	2,37,196	2,84,700
Tools and plant ...	23,929	51,761	Less—Refunds of revenue ...	205	3
Total ...	1,68,529	2,28,301	Total receipts ...	2,36,991	2,84,697
<b>II.—Revenue management.</b>					
Irrigation establishment	22,809	21,273			
Navigation ditto ...	7,711	7,750			
Total ...	30,520	29,023			
Total direct charges ...	1,99,049	2,57,324			
<b>INDIRECT CHARGES.</b>					
Capitalised abatement of land revenue ...	... ..	.....			
Leave and pension allowances ...	9,811	9,002			
Total indirect charges...	9,811	9,002			
Total working expenses	2,08,860	2,66,326			
Net revenue ...	28,131	18,371			
Total ...	2,36,991	2,84,697			



## EARNINGS.

39. The receipts under "water rates," Rs. 1,32,981, shown above, are the actual cash collections during the year, and include a sum of Rs. 70,959 on account of irrigation which occurred in years previous to 1891-92. The "earnings" of the last four years, including all sums due for irrigation which occurred during each year respectively, whether leases for the irrigation were executed during or subsequent to the year in which the irrigation occurred, are given in the table below. For the year under review the earnings cannot be given exactly, as the amounts which will fall due in subsequent years are for irrigation on unleased areas, where the justice of the demand is disputed by the cultivators, and the assessment is consequently delayed. The total of such sums for 1891-92 is estimated at Rs. 3,329. For 1890-91 a further amount may have to be added next year.

Year in which the irrigation occurred.	Year in which leases were executed.	Earnings of 1888-89.	Earnings of 1889-90.	Earnings of 1890-91.	Earnings of 1891-92.
1	2	3	4	5	6
		Rs.	Rs.	Rs.	Rs.
1888-89 ...	1888-89 ...	1,18,243	...	...	...
	1889-90 ...	13,200	...	...	...
	1890-91 ...	360	...	...	...
	1891-92 ...	Nil.	...	...	...
1889-90 ...	1889-90 ...	...	1,03,491	...	...
	1890-91 ...	...	7,050	...	...
	1891-92 ...	...	102	...	...
	1892-93 ...	...	...	1,23,043	...
1890-91 ...	1890-91 ...	...	...	3,100	...
	1891-92 ...	...	...	...	...
	1892-93 ...	...	...	...	1,25,016
	1893-94 ...	...	...	...	...
1891-92 ...	Subsequent years ...	...	Estimated at	...	3,329
	Total ...	1,31,809	1,10,566	1,26,843	1,29,245
	Deduct refunds ...	285	181	205	3
	Net Total ...	1,31,524	1,10,375	1,26,638	1,29,242

The net financial results calculated on the earnings for the last four years are, therefore, as shown in the following statement, the figures in which should be substituted for those given in the revenue reports of the corresponding years. The figures for "navigation" and "miscellaneous" are the actual realizations during the year:—

Year.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
Earnings—				
(a) Irrigation ...	1,31,809	1,10,375	1,26,638	1,29,242
(b) Navigation ...	1,49,480	1,48,164	1,12,754	1,32,572
(c) Miscellaneous ...	11,299	13,016	9,004	19,147
Total Earnings ...	2,92,588	2,71,555	2,48,396	2,80,961
Outlay ...	2,00,804	2,08,808	2,08,860	2,06,326
Net profit ...	82,784	62,749	89,536	14,635

40. The Receipts on Revenue Account and Working Expenses of the Midnapore Canal during the last ten years are shown below :—

FINANCIAL  
RESULTS.

PARTICULARS.	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6	7	8	9	10	11
RECEIPTS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Water-rates ... ..	1,04,000	1,51,000	1,16,807	1,09,709	1,05,834	90,687	91,016	1,16,424	1,18,436	1,32,981
Navigation ... ..	1,46,923	1,30,580	1,23,747	1,37,578	1,09,653	1,30,574	1,40,480	1,48,164	1,12,754	1,32,573
Miscellaneous ... ..	17,928	12,980	12,401	16,197	15,658	16,967	11,899	13,916	9,004	19,127
Total ... ..	2,68,910	2,94,576	2,52,955	2,63,484	2,31,145	2,38,228	2,51,395	2,77,604	2,37,194	2,84,700
Less—Refunds of revenue ... ..	...	44	112	...	211	453	845	181	305	3
Total receipts ... ..	2,68,910	2,94,532	2,52,843	2,63,484	2,31,074	2,37,775	2,51,510	2,77,423	2,36,889	2,84,697
WORKING EXPENSES.										
DIRECT CHARGES.										
I.—Works, Maintenance, and repairs.										
Works and repairs ... ..	1,40,007	1,27,028	1,34,030	1,34,887	1,37,703	1,31,191	1,06,891	1,13,507	1,06,086	1,41,363
Compensation ... ..	...	30	...	...	...	...	...	...	...	...
Establishment, including direction and accounts	32,214	20,342	30,822	29,651	31,077	46,467	36,111	29,763	39,522	35,378
Tools and plant ... ..	31,354	31,229	29,501	25,962	26,008	31,409	34,335	27,612	33,939	51,791
Total ... ..	2,03,575	1,88,629	1,94,353	1,90,500	1,94,788	2,09,067	1,80,556	1,70,882	1,85,547	2,29,552
II.—Revenue management.										
Irrigation establishment	20,387	19,502	24,004	23,790	24,154	22,797	26,927	21,363	21,800	21,273
Navigation ditto ... ..	14,101	7,511	7,680	7,610	7,875	7,769	7,560	7,719	7,711	7,750
Total ... ..	34,488	27,013	31,684	31,400	32,029	30,566	34,487	29,082	29,511	29,023
Total direct charges ... ..	2,38,063	2,15,642	2,26,037	2,21,900	2,26,817	2,39,633	2,15,043	2,00,064	2,15,058	2,58,575
Indirect charges ... ..	8,425	7,046	8,741	8,207	8,877	10,783	9,748	8,313	9,611	9,003
Total working expenses ... ..	2,46,488	2,22,688	2,34,778	2,30,107	2,35,694	2,50,416	2,24,791	2,08,377	2,24,669	2,67,578
Net revenue ... ..	21,508	40,900	18,065	32,577	(—) 1,066	(—) 12,641	26,719	69,047	12,120	17,119

41. The length of canal open for navigation during 1891-92 remained the same as that for the previous year, viz., 72 miles, and no additions were made during the year to the areas protected or commanded. The table below shows the capabilities of the canal and distributaries, and the areas protected, commanded, irrigable, and assessed :—

LENGTHS OF  
CANALS AND  
DISTRIBUTARIES.

NAME OF CANAL.	1890-91.								1891-92.							
	Navigable canal.	Canals for irrigation only.	Distributaries and village channels.	Area protected from floods.	Area under command.	Area provided with distributaries.	Area irrigated.	Percentage of area irrigated to area provided with distributaries.	Navigable canal.	Canals for irrigation only.	Distributaries and village channels.	Area protected from floods.	Area under command.	Area provided with distributaries.	Area irrigated.	Percentage of area irrigated to area provided with distributaries.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Under Midnapore weir	Miles. 44	...	Miles. 286	Acres. 254,400	...	Acres. 100,000	Acres. 76,045	Acres. 76	Miles. 44	...	Miles. 286	Acres. 254,400	...	Acres. 100,000	Acres. 77,631	Acres. 77.6
Under Panchkurah weir	12	...	23	112,640	180,000	25,000	4,981	21.7	12	...	33	112,640	180,000	25,000	5,968	28.9
Tidal reaches, Banges I and II ...	10	...	18.00	30,000	...	2,000	376	18.8	16	...	18	30,000	...	2,000	376	18.8
Total Canals Midnapore ...	72	...	330*	487,120	180,000	125,000	82,002	68.6	72	...	330*	477,120	180,000	125,000	83,975	67.3

\* Of this, the length of distributaries is 287.10 miles.

## OUTLETS.

42. The statement below shows the area commanded by distributary channels and the number of outlets in use in the Division:—

PORTION OF CANAL.	Total length of channel.	Area commanded.	NUMBER OF TEMPORARY OUTLETS.		NUMBER OF PERMANENT OUTLETS.	
			1890-91.	1891-92.	1890-91.	1891-92.
1	2	3	4	5	6	7
	Miles.	Acres.				
Under Midnapore weir ...	229.94	100,000	1,249	1,260	55	55
Do. Panchkurah weir ...	35.25	23,000	202	202	10	10
Do. Tidal Reaches, Ranges I and II ...	18.00	2,000	6	6	11	11
Total ...	283.19	125,000	1,457	1,468	76	76

## RAINFALL.

43. The following statement shows the rainfall for the year 1891-92 and the four previous years at four registering stations which lie within the area irrigated by the Midnapore Canal:—

STATIONS.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.	Average of former years.	
						No. of years.	Average rainfall.
1	2	3	4	5	6	7	8
	Inches.	Inches.	Inches.	Inches.	Inches.		Inches.
Midnapore ...	55.38	68.00	48.71	57.64	55.18	23	56.26
Panchkurah ...	56.21	59.47	51.78	55.84	41.60	22	56.19
Luchmapore ...	47.00	60.93	45.61	59.30	57.48	6	58.60
Mowah ...	49.76	60.14	31.80	49.93	53.07	6	54.77
Average ...	52.09	62.13	44.48	55.68	51.81	.....	56.43

The total rainfall was somewhat below the average of former years, especially at the Panchkurah observing station. It was unevenly distributed, being fairly abundant in the early part of the season, and beginning to fail in September, while October and all succeeding months to the end of the year were marked by an almost complete absence of rain. The distribution over the months of the kharif season is shown below:—

	Midnapore.	Panchkurah.	Luchmapore.	Mowah.	Average, 1891-92.	Average, 1890-91.
1	2	3	4	5	6	7
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
July ...	8.22	10.85	10.79	8.58	9.48	5.69
August ...	23.27	8.85	20.45	20.66	18.30	4.12
September ...	10.44	10.33	11.33	11.97	11.02	10.56
October ...	0.58	0.54	2.27	1.30	1.17	5.20
Total, kharif season, 1891-92.	42.51	30.07	44.84	42.50	39.97	25.57
Do. 1890-91 ...	24.56	28.26	26.68	23.97	25.87	.....

## FLOODS.

44. There were no heavy floods during the year. The highest gauge-readings of the river Cossye at Midnapore and Panchkurah above and below weir,

and those of the river Rupnarain at Dainan and Kantapukhur are shown in the statement below, the readings being the height in feet above mean sea level :—

River.	Locality.	1891-92.		1890-91.		HIGHEST RECORDED.	
		Date.	Reading.	Date.	Reading.	Date.	Reading.
1	2	3	4	5	6	7	8
Coosye	Midnapore above weir	14th August 1891	87.80	30th July 1890	86.50	1868	92.30
	Ditto below weir	Ditto	80.00	Ditto	81.00	Do.	91.55
	Panchkurah above weir	Ditto	33.50	25th June 1890	29.40	10th October 1878	37.00
	Ditto below weir	Ditto	31.00	Ditto	28.00	Ditto	36.50
Rupnarain	Dainan	19th August 1891	14.20	31st July 1890	14.30	20th August 1866	17.45
	Kantapukhur	Ditto	13.80	24th September 1890	14.40	Ditto	16.85

The discharge of the river Coosye reached its maximum, 58,453 cubic feet per second, on the 14th August 1891, and from that date diminished rapidly, the average discharge during September being 7,290, and during October 1,658 cubic feet per second, and falling to 401 cubic feet per second in November.

45. The area of each crop irrigated during 1891-92 and the nine previous years exclusive of unleased areas compared with the yearly rainfall is shown below :—

IRRIGATION.

YEAR.	Kharif.	Rabi.	Perennial	Total.	Rainfall.
1	2	3	4	5	6
	Acres.	Acres.		Acres.	Inches
1882-83	101,939	...	...	101,939	58.81
1883-84	97,919	...	...	97,919	47.99
1884-85	69,294	1,835	...	69,294	53.01
1885-86	68,769	...	...	70,604	81.28
1886-87	69,762	...	...	69,762	53.05
1887-88	64,702	1,162	...	65,864	22.08
1888-89	66,408	3,369	...	69,777	62.13
1889-90	68,370	410	...	68,810	44.47
1890-91	82,002	...	...	82,002	55.68
1891-92	83,905	68	...	83,973	51.81

\* Mean of observations of two stations—Midnapore and Panchkurah.

† Average of four stations throughout the irrigated areas under the Midnapore and Panchkurah weirs.

The Superintending Engineer writes—

“Owing to want of rain from September 1891, it was found impossible to irrigate the full area leased, which was slightly in excess of the area actually irrigated. When water was most wanted, the discharge of the Coosye ran as low as 200 to 300 cubic feet per second, so that in the months of October and November the river pools were drained in order to meet the demands for water. As it turned out, the irrigation operations of the year may be considered very successful, considering the water available. Of the total area under irrigation during the year, quite 90 per cent. was under the Midnapore weir, and the rest under the Panchkurah weir and in the tidal reaches.”

46. In the following table information is given as to the areas under lease of each kind at the beginning of the year, the progress of leasing during the year, and the leases which remained in force after its close. The figures do not include assessments for illicit irrigation for which leases were executed after 31st March 1892 :—

PARTICULARS.	KHARIF.			Sugarcane and other perennial irrigation.	Rabi.	Total.
	Long leases.	Annual leases.	Surruptitious irrigation.			
1	2	3	4	5	6	7
Leases in force at the end of 1890-91	Acres. 81,927	Acres. 75	Acres. ...	Acres. ...	Acres. ...	Acres. 82,002
“ which expired at the end of 1890-91	2,428	75	...	...	...	2,503
“ in force at the beginning of 1891-92	79,499	...	...	...	...	79,499
“ executed during 1891-92	4,446	...	...	...	68	4,514
“ in force at the end of 1891-92	83,945	...	...	...	68	83,973
“ which expired at the end of 1891-92	17,133	...	...	...	68	17,201
“ in force at the beginning of 1892-93	66,772	...	...	...	...	66,772

DUTY OF  
WATER.

47. The duty obtained from the gross discharge during the past three years is detailed in the following statement:—

PARTICULARS.			Under Midnapore weir.	Under Panch- kurah weir.
1			2	3
1889-90	Kharif	{ Acres ...	63,598	4,314
		{ Duty on gross supply ...	134	77
1890-91	Kharif	{ Acres ...	76,645	4,981
		{ Duty on gross supply ...	160	89
1891-92	Kharif	{ Acres ...	77,631	5,898
		{ Duty on gross supply ...	172	64

The duty calculated from the average gross supply during October 1891 is under the Midnapore weir 210, and under the Panchkurah weir 24 acres per cubic foot per second. The very high duty attained tends to throw doubt on the contention that the area actually irrigated is much in excess of that assessed with water rates. Probably at some periods during the year other than leased lands benefit by canal water, but it is improbable that any considerably increased area could be regularly supplied with water.

The areas irrigated in the Tidal Reaches, Ranges I and II, are not taken account of in the above statement. That area in the year under review was 376 acres, being the same as last year.

48. No experiments on outturn of crops were carried out during the year.

49. The following comparative statement shows the balances, assessments, and recoveries of water-rates on the Midnapore Canal during the last five years:—

CROP EXPERI-  
MENTS.  
ASSESSMENTS,  
COLLECTIONS,  
AND BALAN-  
CES.

YEAR.	Amount outstanding at com- mencement of year.	Amount falling due during the year.	Total for recovery.	Cash realization.	Remitted or written off.	Balance at the end of the year.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1887-88 ...	50,749	1,02,532	1,53,281	90,837	6,951	56,493
1888-89 ...	56,493	1,23,337	1,79,830	91,016	4,041	84,773
1889-90 ...	84,773	1,17,202	2,01,975	1,16,424	34,907	50,644
1890-91 ...	50,644	1,30,595	1,81,239	1,15,438	834	64,967
1891-92 ...	64,967	1,29,822	1,94,789	1,32,981	2,836	58,972

The figures in the above statement have been furnished by the Deputy Superintendent of Canal Revenue, and agree with those given in the Examiner's memorandum.

In the arrear balance of Rs. 64,967 with which the year opened, there were no demands of older standing than 1887-88. Rupees 58,900 were for dues incurred in 1890-91, and Rs. 6,007 for those of the three preceding years.

The current demand, amounting to Rs. 1,29,822, was composed of Rs. 1,25,916 earned within the year, and Rs. 3,906 earned in the four preceding years, but not recoverable till 1891-92.

50. The whole amount for recovery, including arrears, was Rs. 13,550 more than that in 1890-91, while the collections were Rs. 17,543 more, the final result being a decrease of Rs. 5,995 in the balance outstanding at the end of the year. In the following table, arrear and current dues are distinguished, the sums composing the demand are distributed by the years in which they

ARREARS.

were earned, and the proportions of each year's earnings, recovered or remitted, are separately shown:—

YEAR.	Amount previously due and unrealised.	Amount falling due within the year.	Total amount due to end of the year.	ADJUSTMENT OF THE YEAR.				Balance unrealised at end of the month of March 1891.	Percentage adjusted.
				Cash recoveries.	Remission authorized.	Written off as being irrecoverable.	Total.		
1	2	3	4	5	6	7	8	9	10
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Per cent.
1887-88 ...	44 6 6	4 6 9	48 13 3	16 6 6	...	30 7 9	48 13 3	...	100.0
1888-89 ...	1,431 0 9	0 1 6	1,201 2 3	411 8 3	324 4 9	...	635 13 0	625 5 3	60.4
1889-90 ...	4,531 7 3	102 1 0	4,903 8 3	3,880 4 0	1,080 12 6	63 0 0	4,963 0 6	0 7 0	100.0
1890-91 ...	58,959 13 6	3,709 13 6	62,769 10 0	57,032 3 0	385 0 3	...	58,417 13 3	4,441 13 9	92.9
1891-92 ...	...	1,25,916 7 9	1,25,916 7 9	70,838 13 6	1,032 15 6	...	72,011 13 0	53,904 10 9	57.2
Total ...	66,966 11 0	1,30,422 14 6	1,94,789 9 6	1,32,981 2 3	2,743 10 0	92 7 9	1,35,817 4 0	58,978 5 6	69.8

The percentage of the total amount due for water-rates which have been collected or otherwise adjusted during the year is 69.8 against 64.1 last year, and this improvement, so far as it goes, is satisfactory. But about 30 per cent. of the demand was still unadjusted at the close of the year, and the outstanding balance, though slightly diminished, is still unduly high.

51. The following classification of the remissions granted is given by the Deputy Revenue Superintendent:—

	Rs. A. P.
By Collector, under rule 27	... 2,491 8 3
Remissions granted by officers disposing of certificate objection cases	... 350 7 6
Total	... 2,841 15 9

Of this sum, Rs. 5-14 are for miscellaneous revenue. Deducting this amount from the total remissions, there remains a balance of Rs. 2,836-1-9, which is the figure shown in the foregoing statements.

52. Information regarding the number of certificates issued and disposed of during the year is given below:—

MIDNAPORE.				
PARTICULARS.	1890-91.		1891-92.	
	No.	Amount.	No.	Amount.
1	2	3	4	5
<i>Cases for disposal.</i>				
1. Cases pending at the close of the preceding year ...	3,444	Rs. 16,195	1,958	Rs. 6,085
2. Cases instituted during the year ...	7,664	32,944	3,428	17,765
Total ...	11,108	49,139	5,386	23,850
<i>Cases disposed of.</i>				
1. By being struck off, owing to the demand having been remitted.	3,839	26,396	1,422	6,239
2. By being wholly satisfied ...	5,511	16,658	3,515	14,039
Total ...	9,150	43,054	4,937	20,278
Balance outstanding at the close of the year ...	1,958	6,085	449	3,572

The decreases which occurred in the number of cases instituted and the balance outstanding at the end of the year are satisfactory.

The decrease in the number issued is attributable mainly to the raising of the process fees to 12 annas, which took effect from April 1891, and, to some extent, to greater discrimination being exercised in issuing them. Of the 5,386 certificates for disposal, 1,474 were for surreptitious irrigation, and 3,912 for the satisfaction of demands under kabuliyats.

COMPLAINTS.

53. The following table shows the number of complaints filed during the last two years, and how they have been disposed of:—

YEAR.	Class of complaints.	RECEIVED.			DISPOSED OF.			BALANCE PENDING AT END OF THE YEAR.		
		Balance pending from previous year.	Received during the year.	Total.	Allowed.	Refused.	Total.	Received during previous years.	Received during the year.	Total.
1	2	3	4	5	6	7	8	9	10	11
1890-01	Ordinary remission ...	93	901	1,094	238	743	981	...	...	103
	Other complaints ...	65	259	324	59	188	247	...	...	67
	Total ...	144	1,250	1,398	297	931	1,228	...	...	170
1891-92	Ordinary remission ...	103	473	576	118	407	519	...	...	84
	Other complaints ...	67	153	220	20	186	183	...	...	37
	Total ...	170	626	796	138	593	701	...	...	121

On the 1st April 1891, 170 complaints were pending, 626 were received during the year as compared with 1,250 in the previous year, making a total of 796, of which 701 were disposed of during the year, 19·7 per cent. being established, and 80·3 per cent. being rejected.

REVENUE ESTABLISHMENT.

54. The following statement compares the cost of the revenue establishment during the last four years:—

ESTABLISHMENT UNDER THE COLLECTOR.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
Permanent establishment, including travelling allowances ...	20,474	18,984	19,757	17,947
Temporary establishment ...	660	604	649	682
Contingencies ...	1,459	1,258	1,260	1,154
Headmen's fees ..	2,135	49	60	385
Total ...	24,728	20,890	21,726	20,118

The sums mentioned below were paid by the Executive Engineer for water-regulation in addition to the amounts specified in the foregoing table:—

Water-regulation.

		Water-regulation.	
		Permanent.	Temporary.
		Rs.	Rs.
1887-88	...	572	625
1888-89	...	546	653
1889-90	...	480	533
1890-91	...	488	595
1891-92	...	473	682

The cost of collection was 15·1 per cent. on the amount realized against 17·9 per cent. in 1890-91.

NAVIGATION.

55. The total navigation receipts of the year were Rs. 1,32,572, against Rs. 1,10,830 in 1890-91. This marked increase is almost entirely due to the

steamer traffic, the tolls realized from the Calcutta Steam Navigation Company having risen from Rs. 21,274 to Rs. 41,180 owing to their underbidding the native boats. The tonnage of native boats plying on the canal has, on the contrary, decreased, though there is an increase of Rs. 1,836 in the toll collections. The Superintending Engineer writes:—

“The increase in the total receipts may be attributed to the great activity in the Calcutta rice market. Large quantities of this grain were steadily exported from the Midnapore district since September 1891. The Calcutta Steam Navigation Company's vessels were largely employed in this trade, which helped to increase the toll receipts of the year.”

The exports of rice from September 1891 to January 1892 were 18,776 tons, valued at Rs. 12,28,229, against 12,700 tons, valued at Rs. 8,50,012 during the corresponding period of 1890-91.

The usual particulars regarding the traffic carried in vessels, including those of the Calcutta Steam Navigation Company, for the last ten years are given below:—

DESCRIPTION.	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6	7	8	9	10	11
Miles open ... No.	53	53	53	53	53	53	53	53	53	53
Toll collections ... Rs.	1,06,167	1,08,031	1,19,797	1,30,331	1,01,064	1,08,449	1,25,332	1,16,000	80,566 (a)	1,32,872
Rate of toll per mile ...	2,002	2,036	2,260	2,364	1,906	2,046	2,365	2,190	1,089	1,784
Number of boats, including empty boats ... No.	52,351	52,069	47,653	42,210	45,700	49,024	51,214	52,000	45,054	43,323
Tonnage of boats ... Tons	800,078	802,070	413,370	372,008	397,440	409,030	470,806	462,418	417,803	411,482
Passengers carried ... No.	181,251	170,746	111,357	122,004 (b)	208,582 (c)	160,367 (d)	167,335 (e)	176,220 (f)	197,700 (g)	103,830
Estimated value of cargo, including value ... Rs.	1,00,43,033	1,70,63,400	1,57,52,087	1,37,22,175	97,35,087	1,16,44,844	1,31,70,200	1,45,12,442	1,48,33,391	1,26,08,724

(a) Inclusive of tolls, Rs. 41,180 paid by the Calcutta Steam Navigation Company.

(b), (c), (d), (e), (f), and (g) Inclusive of passengers 104,443, 86,783, 43,317, 10,307, 103,360, and 82,358 carried by the Calcutta Steam Navigation Company's steamers.

The following figures compare the value of cargo carried by steamers and flats with that carried by country boats for the last two years.—

	1890-91.	1891-92.
	Rs.	Rs.
Steamers and flats ...	64,22,317	73,39,767
Country boats ...	84,11,074	53,25,957
Total ...	1,48,33,391	1,26,65,724

56. The table below shows the miscellaneous receipts for the last five years:—

MISCELLANEOUS RECEIPTS.

DETAILS	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
Sale of water ...	...	...	...	...	...
Plantations ...	44	...	35	52	40
Other canal produce ...	154	4	299	37	5
Water-power ...	...	...	...	...	...
Rent of buildings ...	534	727	738	721	711
Fines ...	...	...	...	...	...
Miscellaneous { Rent of lands ...	8,268	7,182	7,984	6,079	8,758
{ „ of fisheries ...	1,440	1,084	812	736	4,447
{ Cost of process ...	3,023	1,113	2,400	1,009	2,516
{ Other items ...	3,504	1,189	748	370	2,670
Total ...	16,967	11,299	13,016	9,004	19,147

The increase in all items of miscellaneous receipts is attributable to the more systematic management of leasing, which was this year undertaken by the Canal Officers.



MAINTENANCE  
AND REPAIRS.

57. The following figures show the actual cost of maintenance and repairs during the last three years distributed by subheads:—

	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.
Head works, including buildings ...	10,541	11,610	8,373
Main canal and branches ...	77,488	77,323	1,18,241
Distributaries ...	19,769	11,851	10,365
Drainage and protective works ...	2,262	1,151	1,239
Working steamers ...	3,447	3,103	3,044
Total ...	1,13,507	1,05,038	1,41,262

HEAD WORKS  
AND WEIRS.

58. The expenditure on the Midnapore and Panchkurah head works during the year was Rs. 4,582 and Rs. 3,790, respectively, against Rs. 7,120 and Rs. 4,490 in last year. On weirs the expenditure was at the rate of Rs. 0.30 per foot run at Midnapore, and Rs. 1.84 at Panchkura, against Rs. 0.86 and Rs. 0.79 respectively last year.

## MAIN CANAL.

59. The outlay on repairs to the main canal, including that on head works, on working steamers, and on drainage works, was Rs. 1,30,897 against Rs. 93,187 in the previous year. The heavy cost of maintenance of the main canal and its branches, exceeding that of 1890-91 by Rs. 40,918, was caused by the extensive silt clearing operations which were carried out in the tidal reaches after a lapse of many years. The subheads affected were "earthwork" and "navigation works" (repairs to locks), the expenditure under which was Rs. 26,649 and Rs. 16,928, respectively, in excess of that incurred in the previous year. The repairs to the lock gates also involved an extraordinary expenditure of Rs. 14,513 under the head "tools and plant" on special iron caissons and pumping machinery, and Rs. 37,296 under the same head was spent on repairing dredgers, opportunity having been taken of the closure to have them thoroughly overhauled and repaired. The total expenditure on tools and plant was Rs. 51,761 against Rs. 23,929 in 1890-91.

## DISTRIBUTARIES.

60. On distributaries the expenditure on repairs was Rs. 10,365, or Rs. 36 per mile, against Rs. 11,851, or Rs. 41 per mile, in the previous year. The saving was effected mainly under masonry works and was in a great measure due to the non-occurrence of floods.

61. In the following table, mileage rates for the last ten years, both for main canals and distributaries, are shown:—

YEAR.	MAIN CANAL AND HEAD WORKS, &c.			DISTRIBUTARIES.		
	Length of canal open.	Total cost of work.	Rate per mile.	Length of distributary channels.	Total cost of work.	Rate per mile.
1	2	3	4	5	6	7
	Miles.	Rs.	Rs.	Miles.	Rs.	Rs.
1882-83 ...	48	1,01,821	2,121	277	20,407	73
1883-84 ...	48	1,06,425	2,216	277	21,195	76
1884-85 ...	48	1,15,171	2,399	277	18,565	68
1885-86 ...	48	1,10,350	2,309	277	14,424	52
1886-87 ...	48	1,20,136	2,503	283	17,017	60
1887-88 ...	48	1,10,404	2,301	283	20,687	74
1888-89 ...	48	83,675	1,743	283	22,464	79
1889-90 ...	48	68,738	1,433	283	19,769	69
1890-91 ...	48	93,187	1,941	283	11,851	41
1891-92 ...	48	1,30,897	2,727	283	10,365	36

DREDGING AND  
SILT CLEARING

62. The quantity of silt dredged during the year was 4,030,769 cubic feet, at an average rate of Rs. 4.76 per 1,000 cubic feet, whereas the quantity during the previous year was 5,159,375 cubic feet, and the rate Rs. 5.43. The smaller outturn of work was due to the closure of the canal, during which the work could not be carried on.

The work done by the steam-dredgers during the year under review and the cost of working them is shown below :—

NAME OF DREDGER.	Quantity of earth dredged.	Actual cost of lifting.	COST OF REMOVING		Total.	Lifting rate per 1,000 cubic feet.	Removing rate per 1,000 cubic feet.	Total rate per 1,000 cubic feet.
			Steam hopper-barges.	Ordinary hopper-barges.				
1	2	3	4	5	6	7	8	9
	C. ft.	Rs.	Rs.	Rs.	Rs.			
<i>Hector</i> dredger ...	373,830	1,637	835	...	2,472	4.37	2.23	6.61
<i>Ajax</i> ditto ...	886,395	3,102	1,579	...	4,681	3.19	1.79	5.28
<i>Atlas</i> ditto ...	1,964,860	5,622	2,892	...	8,514	2.81	1.45	4.31
<i>Combination</i> ditto ...	289,024	1,253	...	...	1,253	4.30	...	4.30
<i>Marchants</i> ditto ...	...	52	...	...	52	...	...	...
<i>Cadmus</i> steam excavator ...	515,660	2,277	...	...	2,277	4.40	...	4.40
Total for 1891-92 ...	4,030,769	13,943	5,276	...	19,219	3.45	1.30	4.76
Total for 1890-91 ...	5,159,375	20,400	7,582	34	28,016	3.95	1.47	5.43

63. The state of the plantations for the last two years is shown in the following statement:—

YEAR.	Trees upwards of 12 feet high.	Saplings between 4 and 12 feet.	Seedlings below 4 feet.	Total.
1	2	3	4	5
	No.	No.	No.	No.
1890-91 ...	9,706	10,705	3,141	23,552
1891-92 ...	10,082	10,351	2,452	22,885

64. From a financial point of view, the results of the year were disappointing. The receipts under all items were greater than last year, but the increase was more than swallowed up by the heavy expenditure incurred in repairs, the net profit being only Rs. 18,371 against Rs. 28,131 in 1890-91. The failure of the rainfall in September and October caused a heavy demand for canal water for kharif irrigation, which was met with great difficulty, owing to the small supply in the river. The increase in the rice traffic, owing to the scarcity in other parts of the country, is noticeable, and in this connection it may be remarked that a yearly increasing proportion of the carrying trade is being diverted from country boats to the Steamer Companies.

#### HIDGELLIE TIDAL CANAL.

65. The Capital, Interest, and Revenue Accounts of this Canal are given below :—

##### 1—CAPITAL ACCOUNT.

HEADS OF ACCOUNT.	Outlay during 1891-92.	Outlay to end of 1891-92.
1	2	3
<b>DIRECT CHARGES.</b>	<b>Rs.</b>	<b>Rs.</b>
I.—Works ...	1,44,112	15,58,416
II.—Establishment ...	49,346	5,33,372
III.—Tools and plant ...	41,470	1,19,052
IV.—Suspense accounts ...	.....	.....
Loss by exchange ...	.....	22,790
<b>Total</b> ...	<b>2,34,928</b>	<b>22,33,630</b>
V.—Less—Receipts on capital account ...	10	925
<b>Net total direct charges</b> ...	<b>2,34,918</b>	<b>22,32,705</b>
<b>INDIRECT CHARGES.</b>		
Capitalization of abatement of land revenue ...	6,908	11,210
Leave and pension allowances ...	6,908	45,298
<b>Total indirect charges</b> ...	<b>6,908</b>	<b>56,508</b>

An extensive remodelling scheme has, for rather more than a year, been in progress on the Hidgelee Tidal Canal, having for its object the facilitation of navigation by increasing the depth of the canal and the exclusion of silt, the removal of which entailed very heavy annual expenditure and long closures of the canal. The scheme involves the lowering of the canal bed in Ranges I and II; the provision of two new supply sluices, by means of which the silty water will be led to the canal through long feeder channels, in which the silt will be deposited instead of in the canal itself; a cast-iron supply pipe laid on the bed of the Russulpore river, through which the supply for Range II will be drawn from Range III of the Orissa Coast canal, instead of being taken from the silt-laden water of the Russulpore; the construction of a new lock at Kalinagar to replace the old one, which is too small and in a badly chosen situation; and other works of a minor character, designed to assist in scouring and clearing silt from the lock entrances and navigation channels. The construction of the new lock at Kalinagar and of the iron supply pipe across the Russulpore has been postponed, pending the settlement of the difficulties regarding the deterioration of the Russulpore river, which has of late years been rapidly silting up. The deterioration now appears to have ceased, and during the year under review the depth of the river has even slightly increased, owing to the scour caused by the daily flow of the tide into and out of the lately constructed drainage cut at Ballaghyc, which is also used as a navigation canal. The other works comprised in the remodelling scheme have been completed, the time occupied in carrying them out having been, on Range I, 12 months and 21 days, and on Range II, 6 months and 18 days.

INTEREST  
ACCOUNT.

2.—INTEREST ACCOUNT.		Rs.
Interest charges to end of 1890-91	...	14,80,445
Ditto for 1891-92	...	84,610
Total	...	15,65,055

REVENUE  
ACCOUNT.

## 3.—REVENUE ACCOUNT (Actuals).

PARTICULARS.	EXPENDITURE—		PARTICULARS.	RECEIPTS—	
	During 1890-91.	During 1891-92.		During 1890-91.	During 1891-92.
1	2	3	4	5	6
<b>DIRECT CHARGES.</b>	Rs.	Rs.		Rs.	Rs.
<i>I.—Works, maintenance, and repairs.</i>					
Works (extensions and improvements) ..	...	...	Water-rates ...	...	...
Maintenance and repairs	27,012	32,588	Navigation ...	27,145	36,318
Establishment, including direction and accounts	8,636	11,433	Miscellaneous ...	899	567
Tools and plant ...	13,487	1,693			
Total ...	49,135	45,714	Total ...	28,044	36,915
<i>II.—Revenue management.</i>			<i>Less—Refunds of revenue ...</i>	...	...
Navigation establishment	2,833	2,955	Net Total receipts .	28,044	36,915
Total Direct Charges ...	51,968	48,669			
<b>INDIRECT CHARGES.</b>					
Capitalized abatement of land revenue ...	...	...			
Leave and pension allow- ances ...	1,606	2,014			
Total Indirect Charges ...	1,606	2,014			
Total working expenses	53,574	50,683			
Net revenue ...	—25,530	—13,768			
Total ...	28,044	36,915			

66. The following statement shows the receipts on revenue account and working expenses for the last ten years:—

FINANCIAL  
RESULTS.

PARTICULARS.	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6	7	8	9	10	11
RECEIPTS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Navigation ... ..	43,004	62,317	41,382	52,145	51,064	40,406	53,021	40,334	27,146	30,346
Miscellaneous ... ..	1,324	1,273	2,135	312	2,500	1,452	11,240	1,514	840	567
Total ... ..	44,328	63,590	43,517	52,457	53,564	41,858	64,261	41,848	27,986	30,913
Less—Refunds of revenue ... ..	...	...	...	...	910	...	73	...	...	...
Total Receipts ... ..	44,328	63,590	43,517	52,457	53,564	41,858	64,261	41,848	27,986	30,913
WORKING EXPENSES.										
DIRECT CHARGES.										
I.—Works, maintenance, and repairs.										
Works ... ..	...	...	...	...	...	...	1,714	...	...	...
Repairs ... ..	20,460	32,914	20,402	34,080	11,048	47,024	50,920	16,713	27,012	32,549
Establishment, including direction and accounts ... ..	6,776	7,598	6,179	7,943	2,766	11,815	16,572	4,187	8,636	11,433
Tools and plant ... ..	1,302	2,764	292	3,583	4,153	2,105	2,608	1,400	13,457	1,843
Total ... ..	27,538	43,386	26,873	45,606	18,967	61,948	72,070	22,070	49,105	45,714
II.—Revenue management.										
Navigation establishment ... ..	2,973	3,215	3,554	3,143	3,626	3,007	3,105	3,020	2,433	2,956
Total Direct Charges ... ..	40,570	46,601	30,427	48,749	21,925	64,955	75,175	25,713	51,538	48,670
INDIRECT CHARGES ... ..	1,327	1,512	1,302	1,338	810	2,081	2,767	1,007	1,000	2,014
Total working expenses ... ..	41,897	48,113	31,729	50,087	22,735	67,036	77,942	26,720	52,538	50,684
Not revenue ... ..	3,133	16,407	6,230	2,308	30,766	(—)25,114	(—)22,043	16,230	(—)25,530	(—)13,766

The cost of maintenance, though slightly less than last year, still exceeds the average cost, which for the last eleven years amounts to Rs. 46,189, by Rs. 4,494. This is due to extensive repairs which had to be carried out on the lock gates, and to some alterations in the lock valves consequent on the remodelling scheme above alluded to. The Superintending Engineer writes:—

“The very high maintenance rate on this canal is due to the heavy influx of silt owing to the primitive feeding arrangements originally adopted, and to the mistake of having iron gates for the locks, which in the salt water have given trouble from the first and give increasing trouble as they get older.”

It is hoped that, on the completion of the remodelling scheme, the working expenses will begin to decrease, but until the pipe across the Russulpore river is fixed, or some other equally effective method of supplying a comparatively pure supply, heavy expenditure on silt clearing on Range II will from time to time be necessary.

67. The rainfall at Contai station was 49·97 inches against 75·32 inches in 1890-91.

RAINFALL.

68. During the year there were no floods of any consequence in any of the rivers crossed by the Hidgellce Tidal Canal. The highest gauge readings of the rivers Hooghly, Haldi, and Russulpore are shown in the following statement:—

FLOODS.

NAME OF RIVER.	Locality.	1890-91.		1891-92.		Highest recorded reading.		REMARKS.
		Date.	Reading.	Date.	Reading.	Date.	Reading.	
1	2	3	4	5	6	7	8	9
Hooghly ...	Gewankhali ...	20th Sept. 1890	115·90	18th Sept. 1891	116·90	Date of record not obtainable from records.	116·90	Height recorded on plane of maximum floods, but dates not given.
Haldi ...	Stamagra ...	29th .. ..	116·40	19th .. ..	116·40	Ditto ..	120·25	
Russulpore ...	Kalinagar ...	20th .. ..	114·70	18th .. ..	114·70	Ditto ..	118·50	

69. The usual particulars regarding the traffic on the Hidgellce Tidal Canal carried in vessels during the last ten years are given in the following

NAVIGATION.

statement. The figures include those relating to the steamers belonging to the Calcutta Steam Navigation Company:—

PARTICULARS.	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6	7	8	9	10	11
Miles open ... No.	99	99	99	99	99	99	99	99	99	99
Toll collections ... Rs.	43,601	62,317	41,392	53,143	(a) 51,904	(a) 46,406	(a) 53,010	(a) 40,841	(a) 37,145	(a) 36,344
Rate of toll per mile ..	1,810	2,146	1,487	1,704	1,751	1,588	1,700	1,390	831	1,124
Number of boats, including empty boats No.	17,445	23,724	17,000	19,316	17,542	15,503	16,481	13,785	10,215	15,329
Tonnage of boats ... Tons.	132,884	196,764	145,125	169,535	149,747	124,565	165,656	124,605	91,114	133,575
Passengers carried ... No.	8,310	...	...	...	8,603	11,851	34,032	(b) 30,223	(b) 22,420	(b) 21,500
Estimated value of cargo, including rafts ... Rs.	23,83,344	36,42,020	30,06,952	32,74,961	31,49,896	26,13,351	33,01,123	27,30,720	20,78,072	31,97,725

(a) Inclusive of tolls, Rs. 1,603, Rs. 1,592, Rs. 4,590, Rs. 5,523, Rs. 3,340, Rs. 3,634, paid by the Calcutta Steam Navigation Company.  
(b) Inclusive of passengers, 23,243, 17,564, and 21,267, carried by the Company's steamers.

The toll collections, which in 1890-91 were low owing to a seven months' closure of the canal, have recovered somewhat during the year under review, when the closure only lasted for four months. It may be remarked that the tollage receipts on this canal have not increased in proportion with those on the Orissa Coast canal. This may be due to the frequent closures of the last few years, but it is also largely owing to the use of a very superior class of decked boat which has lately been introduced, and which can take the route *via* the Russulpore and Hooghly Rivers in calm weather.

70. The miscellaneous receipts for the last five years are shown in the following statement:—

DETAILS.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
Sales of water ...	...	...	...	...	...
Plantations ...	70	64	62	68	27
Other canal produce ...	1,085	...	...	5	...
Water-power ...	...	...	...	...	...
Rent of buildings ...	245	226	181	244	266
Fines ...	...	...	...	...	...
Miscellaneous { Rent of lands ...	...	...	18	56	39
" of fisheries ...	52	955	1,198	5 14	202
Cost of process ...	...	...	...	...	...
Sales of old materials ...	...	4	144	4	5
Other items ...	...	...	11	8	28
Total ..	1,452	1,249	1,614	899	567

The receipts during the year show a decline of Rs. 332, mainly in item fisheries, which is due to the closures of the canal during the last two years.

71. There was no dredging work, as the silt was removed by hand-labour during the closure of the canal.

72. The state of the plantations for the last two years is shown in the following statement:—

YEAR.	Trees over 12 feet in height.	Saplings between 4 and 12 feet.	Seedlings under 4 feet.	TOTAL.
1	2	3	4	5
	No.	No.	No.	No.
1890-91 ...	1,883	2,845	1,776	6,504
1891-92 ...	2,000	3,116	1,041	6,167

The falling off in the number of trees during the last two years has been caused by the silt clearing operations during the closures, necessitating the deposition of earth on the banks and encampments of coolies. The expenditure during the year was Rs. 273 against Rs. 383, and the revenue was Rs. 27 against Rs. 68.

### SONE CANALS.

The figures in all statements showing totals of receipts or expenditure are those of the Examiner of Accounts. In dealing with details the figures of the Commissioner or of the Superintending Engineer are used.

73. The Capital Interest, and Revenue Accounts of these canals are given below :—

#### 1.—CAPITAL ACCOUNT.

HEADS OF ACCOUNT.	Outlay during 1891-92.	Outlay to end of 1891-92.
1	2	3
<b>DIRECT CHARGES.</b>	<b>Rs.</b>	<b>Rs.</b>
I.—Works ... ..	1,70,412	1,85,88,237
II.—Establishment ... ..	37,083	51,67,039
III.—Tools and plant ... ..	(—) 1,352	21,27,215
IV.—Suspense accounts ... ..	(—) 1,715	1,69,649
Loss by exchange ... ..	.....	52,240
<b>Total</b> ... ..	<b>2,04,428</b>	<b>2,61,04,380</b>
V.— <i>Less</i> —Receipts on capital account ... ..	330	3,72,286
<b>Net total direct charges</b> ... ..	<b>2,04,098</b>	<b>2,57,32,094</b>
<b>INDIRECT CHARGES.</b>		
Capitalization of abatement of land revenue ... ..	.....	37,911
Leave and pension allowances ... ..	5,191	8,72,640
<b>Total indirect charges</b> ... ..	<b>5,191</b>	<b>9,10,551</b>

The Sone Canals are practically complete and in full work, and the outlay on capital is now only on subsidiary works, such as outlets and culverts for village channels where they cross district roads. A report on the canals as constructed, compared with the estimate the currency of which has expired, has been sent to the Government of India, and the capital account will shortly be closed, the expenditure being meanwhile confined to the completion of works sanctioned before 31st March 1891. The outlay charged to the capital account of the Sone canals during the year 1891-92, compared with that of the previous year, is shown in detail in the following statement :—

I.—Works—	1891-92.	1890-91.
(1) Head-works ... ..	2,035	5,249
(2) Main canal and branches ... ..	31,337	23,475
(3) Distributaries ... ..	79,312	38,947
(4) Drainage and protective works ... ..	57,728	65,028
<b>Total works</b> ... ..	<b>1,70,412</b>	<b>1,32,699</b>
II.—Establishment ... ..	37,083	19,850
III.—Tools and plant ... ..	(—) 1,352	6,411
IV.—Suspense accounts ... ..	(—) 1,715	14,716
<b>GRAND TOTAL</b> ... ..	<b>2,04,428</b>	<b>1,73,676</b>
V.— <i>Less</i> —Receipts on capital account ... ..	330	2,315
<b>Net total</b> ... ..	<b>2,04,098</b>	<b>1,71,361</b>

The work done during the year under review is as follows :—

*Head works.*—The plantations established on the spare lands belonging to Government at Delhi were proceeded with, and will probably be completed during 1892-93.

*Eastern Main Canal.*—The escape for the Manora distributary was completed. The protective embankment to save Kharati village from the flood of

the Poonpooon was proceeded with, as were permanent outlets and road crossings for village channels on the Manora distributary.

*Patna Canal.*—The addition to the second weir on this canal was completed before the rains. Three drainage culverts and one hundred and thirty-three permanent outlets were completed during the year, and a rest-house, on the Khojhassa distributary and the Bharatpur distributary escape, were proceeded with.

*Main western canal series.*—Permanent outlets, cattle bridges, crossings for village channels, and syphon culverts for drainage and drainage cuts were under construction in most of the canals, branch canals, and distributaries under the main western canal series. On the Arrah Canal eight small regulators in distributaries, and on the Buxar Canal some inlets for drainage were built. The alteration of three bridges on the Behea branch canal, and quay walls at Nokha and Buxar were in progress. Escapes from the Rajpur and Nagpur distributaries were in progress, as also were a rest-house on the Sianwank distributary, a toll office at Nokha, and zilladar's quarters at Sikraol. The Kujee drainage cut, which is an important work, the estimated cost being Rs. 37,947, was proceeded with, and was nearly completed at the end of the year. The extension of the Basadhar distributary was nearly completed, as were some additional lengths of parallel channels.

INTEREST  
ACCOUNT.

## 2.—INTEREST ACCOUNT.

		Rs.
Interest charges to end of 1890-91	...	1,55,62,825
Ditto for 1891-92	...	10,25,202
Total	...	1,65,88,027

REVENUE  
ACCOUNT.

## 3.—REVENUE ACCOUNT (ACTUALS).

PARTICULARS.	EXPENDITURE—		PARTICULARS.	RECEIPTS—	
	During 1890-91.	During 1891-92.		During 1890-91.	During 1891-92.
1	2	3	4	5	6
<b>DIRECT CHARGES.</b>	Rs.	Rs.		Rs.	Rs.
<i>I.—Works, Maintenance and Repairs.</i>					
Works (extensions and improvements).	3,263	3,812	Water-rates ...	6,44,718	8,11,750
Maintenance and repairs	2,72,663	2,59,804	Navigation ...	65,629	66,517
Compensation ...	168	28	Miscellaneous ...	26,128	31,827
Establishment, including direction and accounts.	1,88,895	1,89,196	Total ...	7,36,475	9,10,094
Tools and plant ...	28,527	28,843	Less—Refunds of revenue.	7,305	4,020
Total ...	4,93,516	4,81,683			
<i>II.—Revenue management.</i>					
Irrigation establishment.	1,45,528	1,52,113			
Navigation ditto ...	14,242	14,264			
Total ..	1,59,770	1,66,377			
Total Direct Charges	6,53,286	6,48,060			
<b>INDIRECT CHARGES.</b>					
Capitalized abatement of land revenue.	...	...			
Leave and pension allowances.	48,813	49,780			
Total Indirect Charges	48,813	49,780			
Total Working Expenses.	7,02,099	6,97,840			
Profit ...	27,071	2,08,231			
Total ...	7,29,170	9,06,074	Total Receipts ...	7,29,170	9,06,074

74. The net result, calculated on the earnings as opposed to collections, and actual outlay is shown below :—

		1890-91.	1891-92.
		Rs.	Rs.
Earnings—			
Irrigation	...	5,92,847	9,82,032
Navigation	...	65,629	66,517
Miscellaneous	...	26,128	31,827
Total	...	6,81,604	10,80,376
Deduct refunds of revenue		7,305	4,020
Net earnings	...	6,77,299	10,76,356
Outlay	...	7,02,099	6,97,840
Loss	...	21,800	Profit ... 3,78,516

The figures given as net earnings include the actual realizations of navigation and miscellaneous revenue with the assessed revenue on the area actually irrigated during the year, less refunds.

The irrigation earnings are given in greater detail in the following table, which includes the assessments on the area irrigated during the year, whether forwarded for collection before or after the 31st March. The figures therefore differ from the assessments of the year which are referred to further on :—

Year in which the irrigation occurred.	Year in which the assessments were received by Deputy Collector.	Year in which the amount fell due.	Total demand for 1891-92.	Current demand for 1891-92.	Total assessments submitted during 1891-92.	Total earnings of 1891-92, less refunds of revenue.
1	2	3	4	5	6	7
			Rs.	Rs.	Rs.	Rs.
1890-91	1890-91	1891-92	35,940	...	...	...
1890-91	1891-92	1891-92	1,184	1,184	4,484	...
1891-92	1891-92	1891-92	6,81,008	6,81,008	6,81,008	6,81,008
1891-92	1891-92	1892-93	...	...	87,567	87,567
1891-92	1892-93	1892-93	...	...	...	2,01,244
Total			7,21,138	6,88,492	7,76,029	9,72,819
Add—Surplus and excess recoveries by Deputy Collector			5,193	5,193	5,193	5,193
GRAND TOTAL			7,26,331	6,93,685	7,81,222	9,78,012

The earnings less refunds during 1890-91 were Rs. 5,85,542. They have not until the current year materially differed from the assessments.

75. The receipts for the last two years have been increased by the collection of outstanding arrears. The balance of such has now been much reduced.

The receipts on revenue account and working expenses of the canals for the year 1891-92 and the nine preceding years are shown in the statement below :—

FINANCIAL RESULTS.

	1889-90.	1890-91.	1891-92.	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.	1897-98.	1898-99.	1899-00.	1900-01.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
RECEIPTS.												
Water-rates	5,06,465	4,84,200	7,70,350	9,78,323	8,20,161	5,19,596	7,73,550	8,16,234	6,41,718	8,11,750		
Navigation	71,205	60,103	71,761	46,213	54,254	55,094	57,210	57,739	6,021	66,517		
Miscellaneous	47,007	34,405	49,551	38,680	37,714	28,450	26,504	23,942	26,128	31,827		
Total	6,24,677	5,78,707	8,92,662	10,63,216	9,12,129	6,03,140	8,57,264	8,97,915	7,70,867	9,40,094		
Less—Refunds of revenue	1,237	5,429	7,456	10,064	15,737	15,571	12,611	16,529	7,305	4,020		
Total Receipts	6,23,440	5,73,278	8,85,206	10,53,152	8,96,392	5,87,569	8,44,653	8,81,386	7,63,562	9,36,074		



	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6	7	8	9	10	11
<b>WORKING EXPENSES.</b>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
<b>DIRECT CHARGES.</b>										
<i>I.—Works, Maintenance and Repairs.</i>										
Works (extensions and improvements) ...	...	...	...	...	...	5,533	10,426	4,712	3,265	3,912
Repairs, including compensation ...	3,17,801	2,76,335	3,44,828	2,93,315	3,08,765	3,08,448	3,24,183	2,62,002	2,72,681	2,60,832
Establishment, including direction and accounts	75,012	63,477	79,300	66,103	71,000	* 2,10,227	1,97,077	1,82,607	1,88,806	1,80,106
Tools and plant ...	11,408	31,093	26,175	32,451	27,008	29,221	33,020	33,400	29,527	24,843
<b>Total</b> ...	<b>4,02,841</b>	<b>3,74,705</b>	<b>4,50,313</b>	<b>3,90,929</b>	<b>4,07,529</b>	<b>5,52,428</b>	<b>6,70,205</b>	<b>5,13,431</b>	<b>4,93,516</b>	<b>4,81,683</b>
<i>II.—Revenue Management.</i>										
Irrigation establishment	1,05,883	1,14,005	1,20,800	1,46,078	1,43,000	1,33,313	1,38,340	1,52,823	1,45,528	1,52,113
Navigation ditto ...	19,890	20,248	16,880	14,730	14,535	14,308	14,165	14,390	14,242	14,264
<b>Total</b> ...	<b>1,25,773</b>	<b>1,34,253</b>	<b>1,37,680</b>	<b>1,60,781</b>	<b>1,57,535</b>	<b>1,47,621</b>	<b>1,52,505</b>	<b>1,67,213</b>	<b>1,59,770</b>	<b>1,66,377</b>
<b>Total Direct Charges</b> ...	<b>5,28,614</b>	<b>5,08,958</b>	<b>5,88,003</b>	<b>5,51,710</b>	<b>5,65,064</b>	<b>7,00,049</b>	<b>8,22,710</b>	<b>6,80,644</b>	<b>6,53,286</b>	<b>6,48,060</b>
<b>INDIRECT CHARGES.</b>										
Capitalization of increment of land revenue	...	...	...	...	...	...	...	...	...	...
Leave and pension allowances ...	19,933	27,682	31,500	31,030	32,007	50,320	51,813	48,071	48,813	40,780
<b>Total Indirect Charges</b> ...	<b>19,933</b>	<b>27,682</b>	<b>31,500</b>	<b>31,030</b>	<b>32,007</b>	<b>50,320</b>	<b>51,813</b>	<b>48,071</b>	<b>48,813</b>	<b>40,780</b>
<b>Total Working expenses</b>	<b>5,48,547</b>	<b>5,36,640</b>	<b>6,19,503</b>	<b>5,82,740</b>	<b>5,97,071</b>	<b>7,50,369</b>	<b>8,74,523</b>	<b>7,28,715</b>	<b>7,02,099</b>	<b>6,88,840</b>
<b>Net revenue</b> ...	<b>1,31,903</b>	<b>61,638</b>	<b>2,26,044</b>	<b>4,78,644</b>	<b>3,04,871</b>	<b>(—) 1,63,736</b>	<b>30,846</b>	<b>1,51,045</b>	<b>27,071</b>	<b>2,08,234</b>

\* NOTE.—The method of charging the cost of establishment was altered from 1887-88.

Compared with 1890-91 the receipts (less refunds) have increased from Rs. 7,29,170 to Rs. 9,06,074, that is, by Rs. 1,76,904. The working expenses (direct charges) have been reduced from Rs. 6,53,286 to Rs. 6,48,060, or by Rs. 5,226. Including indirect charges, the net revenue has increased from Rs. 27,071 to Rs. 2,08,234.

This favourable result was due mainly to extensive recoveries of arrears in the Patna district, and in a lesser degree to the abnormal area of rabi irrigated in the Buxar Division, the collections on account of which will mostly be made in 1892-93. A reduction of Rs. 16,203 on the charges for maintenance and repairs was effected in the Arrah Division.

The principal works carried out were a drainage sluice in the Kuo river embankment at Dumraon, the alteration of the bridges on the Gurra Chowbey branch canal from wooden tops to arches, and the construction of a few small culverts. The eastern main series of canals were closed for repairs from 6th April to 29th May 1891, and from 28th March 1892 to the end of the year. There was no closure of the western main series in 1891-92. These canals were closed in March 1891, and not again till May 1892.

76. The lengths of canals and distributaries in operation, and the areas commanded, provided with distributaries, and irrigated at the close of the last two years are shown below:—

LENGTHS OF  
CANALS AND  
DISTRIBUTARIES.

NAME OF CANAL.	1891-92.								1890-91.							
	Navigation canals.	Canals for irrigation only.	Distributaries.	Area protected from flood.	Area under command.	Area provided with distributaries.	Area irrigated.	Percentage of area irrigated to area provided with distributaries.	Navigation canals.	Canals for irrigation only.	Distributaries.	Area protected from flood.	Area under command.	Area provided with distributaries.	Area irrigated.	Percentage of area irrigated to area provided with distributaries.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Miles.	Miles.	Miles.	Acres.	Acres.	Acres.	Acres.		Miles.	Miles.	Miles.	Acres.	Acres.	Acres.	Acres.	
Sone (Eastern Main ion. Patna)	79	...	341	...	16,462 390,093	15,962 379,737	2,969 91,121	10 24	71 79	...	349	...	15,162 390,093	15,962 389,537	1,636 29,650	19 15
	86	...	350	...	406,165	395,190	94,060	23	86	...	358	...	406,155	390,569	61,429	15
Divi. { Arrah	65	...	208	...	229,133	229,833	72,079	31	65	...	208	...	229,133	229,833	57,618	25
{ Dumraon Branch	...	40	140	...	269,817	269,817	55,331	26	...	40	110	...	269,817	269,817	40,687	19
{ Belhera Branch	...	31	112	...	179,104	179,104	58,114	30	...	31	110	...	179,104	179,104	42,071	23
Workshops Division - ern Main	65	71	409	...	618,354	618,354	18,123	30	65	71	407	...	618,354	618,354	18,180	22
	0	...	...	...	...	...	...	...	0	...	...	...	...	...	...	...
Divi. { Western Main	12	...	4	...	89,180	89,180	62,556	30	12	...	43	...	81,180	81,180	18,082	9
{ Guern Chowbey Branch	...	38	56	...	173,440	111,522	...	...	...	38	56	...	173,440	111,522	...	...
{ Buxar	45	...	181	...	234,020	269,569	13,194	30	45	...	181	...	234,020	269,569	61,293	17
{ Chowwa Branch	...	30	105	...	212,180	191,384	...	...	...	30	105	...	212,180	191,384	...	...
	57	77	388	...	769,006	546,955	199,510	36	57	77	385	...	769,006	546,955	79,965	15
SONE CANALS	218	118	1,297	...	1,723,509	1,590,508	371,793	30	218	118	1,210	...	1,723,509	1,590,008	281,911	18

The figures in column 4 include 1,192½ miles of distributaries and 11½ miles of Government village channels in the Buxar Division.

77. The length of village channels and the number of outlets constructed are given in the following table:—

VILLAGE CHANNELS AND  
OUTLETS.

Division.		Total length of village channels completed.	Total number of temporary and permanent outlets.	Number of permanent outlets.
1	2	3	4	5
	Miles.	No.	No.	
Eastern Sone	341	1,878	468	
Arrah	823	2,114	1,188	
Buxar	802½	1,951	700	
Total, 1891-92	1,987	5,943	2,356	
Total, 1890-91	1,623½	4,580	1,728	

During the year  $1\frac{1}{4}$  miles in the Arrah and 3 miles in the Buxar Division were added, while  $7\frac{3}{4}$  miles were abandoned in the Eastern Sone Division, the net result being a decrease of  $3\frac{1}{2}$  miles.

One thousand three hundred and sixty-three outlets, of which 628 are permanent, and  $363\frac{1}{4}$  miles of village channel have been added during the year. The Superintending Engineer remarks:—

“There is a satisfactory increase in the number of the permanent outlets, and the greater part of the kharif irrigation is now effected through such outlets, the size of which have been made to suit the areas to be irrigated. The increase in the number of temporary outlets is due to the large rabi irrigation. Many of these will be removed, as it is not likely that they will be required again for some time.”

Many of the channels also were only temporarily constructed for rabi irrigation, and will probably disappear again.

78. The table following shows the rainfall during the last five years over 22 rainfall stations on, or in the neighbourhood of, the Sone Canals:—

		AVERAGE OF 22 STATIONS.				
		1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1		2	3	4	5	6
		Inches.	Inches.	Inches.	Inches.	Inches.
Kharif season	August ...	9.48	18.49	12.01	14.47	9.11
	September ...	5.21	7.35	5.90	6.58	4.09
	October ...	4.18	6.18	0.79	0.99	1.17
Total ...		18.90	26.02	18.70	22.04	14.37
Rabi season ...	November ..	.....	0.46	0.48	.....	.....
	December ...	.....	.....	.....	0.01	.....
	January ...	1.09	1.22	.....	1.69	0.13
	February ..	.....	1.30	0.01	0.39	1.03
Total ...		1.09	2.98	0.49	2.09	1.16
Whole year ...		40.31	47.34	39.27	62.86	29.12

The average rainfall for twenty years is 40.47 inches.

The rainfall of the year was very scanty, being much below the normal and scarcely more than half that of the previous year.

79. There were no floods in the rivers Sone and Ganges during the year. The figures below show the highest gauge readings compared with the highest

recorded flood levels. The reduced level of the crest of the Sone Weir is 334 00:—

## RIVER SONE.

LOCALITY.	1891-92—4TH AUGUST 1891.		1890-91—16TH AUGUST 1890.		HIGHEST KNOWN, 1876-77—7TH JULY 1876.	
	Above weir.	Below weir.	Above weir.	Below weir.	Above weir.	Below weir.
1	2	3	4	5	6	7
	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.
Dehree	336.70	333.30	336.30	333.40	343.10	341.00
Baroon	337.50	335.40	337.70	335.50	343.50	342.70

The head sluices of the Western Main Canal were not closed at all during the year on account of flood; those of the Eastern Main were closed for 46 hours in all on three occasions in August and September.

## RIVER GANGES.

LOCALITY.	Date.	Reading.	HIGHEST KNOWN SINCE 1876.	
			Date.	Reading.
1	2	3	4	5
		R. L.		R. L.
Buxar	12th September 1891	198.06	6th August 1875	200.71
Deegah	11th September 1891	164.73	14th August 1879	169.20
Hajipore, confluence of rivers Ganges and Gunduk	12th September 1891	162.50	August 1879	166.20

80. The irrigation for ten years together with the rainfall over 16 stations actually situated on the canal irrigated area is shown below:—

YEAR.	Kharif.	Rabi and hot weather.	Perennial	Total.	Rainfall.
1	2	3	4	5	6
	Acres.	Acres.	Acres.	Acres.	Inches.
1882-83	125,159	25,935	22,730	173,824	34.47
1883-84	215,790	117,960	16,864	350,614	32.91
1884-85	216,740	100,239	23,682	370,661	31.37
1885-86	217,072	87,936	27,562	332,570	44.52
1886-87	177,510	60,639	30,055	268,204	58.84
1887-88	220,428	69,945	25,007	315,380	40.18
1888-89	238,895	100,142	16,872	355,909	45.43
1889-90	230,741	55,613	18,928	305,282	49.65
1890-91	211,726	51,318	17,970	281,014	52.23
1891-92	248,819	210,907	14,997	474,723	26.82

The rainfall in the autumn of 1891 was very scanty, and this led to a great demand for water both for kharif and rabi. As regards the latter, the increased demand is most noticeable in the Buxar Division, where the area irrigated under this head has risen from 17,034 acres in 1890-91 to 127,390 acres in 1891-92. The largest area of rabi irrigated in any previous year was in the whole Circle 124,812 acres in 1877-78. In no other year has the area risen above 90,304, of which 48,961 acres were in the Buxar Division. This occurred in 1833-84.

The Superintending Engineer remarks on the irrigation of the year as follows:—

“Compared with the previous year, there is an increase of 193,709 acres, and the total is greater by more than 100,000 acres than that of any year since these canals have been at work. The main increase was in the rabi irrigation, and chiefly in the Buxar Division, where there are large areas of land cultivated with rabi crops, but which very seldom require irrigation. There is a satisfactory increase in the area under long leases of 11,351 acres, and it is probable that there will be a further increase in this class. We cannot expect to have a rabi irrigation like that of 1891-92 often, and it will probably be many years before the total of this year is exceeded.”

During the year under review water was for the first time sold by volume during the kharif season in cases where leases had not been taken before the 1st September. The area thus irrigated was approximately 3,022 acres. This area, as well as 3,369 acres irrigated without permit, is, in the table in the following paragraph, included in the figures for “annual leases.”

81. The statement below gives details of the areas of each crop irrigated during the last four years, distinguishing between annual and five-year leases.

Crop.		1888-89.	1889-90.	1890-91.	1891-92.
1		2	3	4	5
		Acres.	Acres.	Acres.	Acres.
Kharif ...	{ Five-year leases ...	151,225	174,780	189,227	200,716
	{ Annual leases ...	69,628	41,917	22,499	18,103
	Total ...	224,453	216,697	211,726	218,819
Rabi ...	{ Five-year leases ...	27,108	31,128	20,761	20,271
	{ Annual leases ...	69,817	20,336	20,632	177,308
	Total ...	97,225	51,464	41,393	197,582
Sugarcane	{ Five-year leases ...	17,869	18,369	13,568	13,801
	{ Annual leases ...	4,600	5,001	4,402	1,196
	Total ...	22,469	23,364	17,970	14,997
Hot-weather ...		11,762	13,757	9,925	13,325
GRAND TOTAL ...		355,909	305,282	281,014	474,723
Total five-year leases ...		200,102	224,268	223,555	234,791
,, annual leases ...		155,807	81,014	57,458	239,932

The proportionate areas of the various crops in the areas under long lease in 1891-92 are based on actual measurements of the crops cultivated when the leases were executed. In some subdivisions this information is wanting for years before 1890-91, and the percentages obtained for that and the succeeding year have been adopted for previous years.

The proportionate areas thus determined are given below:—

Division.	Rice.	Sugarcane	Rabi.	Total.
1	2	3	4	5
Arrah ...	85.2	7.3	7.6	100.0
Buxar ...	79.7	5.9	14.4	100.0
Eastern Sone ...	93.7	2.9	3.4	100.0

Using the percentages obtained above for the area under five-year leases in the year 1891-92, the area of each crop included in those leases compared with that of the two previous years was as under:—

1891-92.			1890-91.			1889-90.		
Kharif.	Rabi.	Sugarcane.	Kharif.	Rabi.	Sugarcane.	Kharif.	Rabi.	Sugarcane.
1	2	3	4	5	6	7	8	9
20,716	20,274	13,801	189,227	20,761	13,568	188,821	21,520	13,924

82. The areas irrigated in each division during the last five years are shown by crops below:—

YEAR.	EASTERN SONE DIVISION.				ARRAH DIVISION.				BUXAR DIVISION.				TOTAL FOR ALL DIVISIONS			
	Annual lease-h.		Five-year leases.	Total.	Annual leases.		Five-year leases.	Total.	Annual leases.		Five-year leases.	Total.	Annual leases.		Five-year leases.	Total.
	Kharif and rabi.	Sugarcane and hot-weather.			Kharif and rabi.	Sugarcane and hot-weather.			Kharif and rabi.	Sugarcane and hot-weather.			Kharif and rabi.	Sugarcane and hot-weather.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Acres. 30,399 39,470 19,820 14,083 40,022	Acres. 679 408 216 504 203	Acres. 49,123 37,117 40,917 45,116 53,203	Acres. 81,201 80,995 60,941 61,302 94,000	Acres. 25,982 82,209 24,265 30,423 60,692	Acres. 13,619 11,305 13,416 10,396 11,227	Acres. 203,623 101,680 108,667 108,001 109,204	Acres. 141,444 105,349 146,734 120,197 109,204	Acres. 38,718 87,106 19,169 8,096 124,097	Acres. 6,368 4,363 5,050 3,434 5,089	Acres. 67,618 81,446 76,294 69,541 72,324	Acres. 112,695 123,665 99,493 79,345 110,510	Acres. 85,096 138,145 92,353 43,131 223,411	Acres. 20,129 16,362 18,761 14,327 14,521	Acres. 210,104 200,162 224,766 223,556 234,791	Acres. 315,380 355,009 306,298 281,014 474,723

The area measured during 1891-92 was 112·08 per cent. of the area for which permits were issued. For kharif and long leases the figure are practically identical, but the applications for leases in the rabi season show only the approximate area to be irrigated, the assessment being based on the area irrigated, as found by measurement when the irrigation season is over. The proportion of flow to lift irrigation was 93·6 to 6·4.

83. The following statement shows the duty obtained in the year under review and in the years 1890-91 and 1889-90:—

DUTY OF WATER.

PARTICULARS.			Eastern Main Canal Series.	Arrah Canal System.	Buxar Canal System.	Western Main Canal Series.	Total Sone Canals.
1	2	3	4	5	6	7	8
1889-90	{ Kharif	{ Acres	54,875	115,888	78,006	194,704	219,669
		{ Duty on gross supply	48·34	79·81	86·04	81·94	71·09
	{ Rabi	{ Acres	6,801	30,867	23,116	58,983	60,784
		{ Duty on discharge utilized	21·33	45·52	52·77	48·37	42·36
1890-91	{ Kharif	{ Acres	56,600	112,584	60,513	173,096	220,096
		{ Duty on gross supply	55·22	86·87	79·20	83·66	74·24
	{ Rabi	{ Acres	0,735	30,492	22,136	52,628	59,363
		{ Duty on discharge utilized	20·72	57·75	55·48	56·77	47·41
1891-92	{ Kharif	{ Acres	75,037	110,304	69,465	189,779	263,816
		{ Duty on gross supply	57·59	81·25	55·13	57·94	57·84
	{ Rabi	{ Acres	20,851	60,115	181,613	191,728	212,579
		{ Duty on discharge utilized	48·60	70·39	130·82	103·02	92·83

The duties shown in the foregoing table are calculated from the average discharges for the whole kharif and rabi seasons respectively. During the kharif season, however, the supply varies greatly, scarcely any water being, at times, used, so that these results afford no reliable indication as to the area

which can be irrigated from the canals when there is a pressure of irrigation. More reliable results are obtained by using as a basis of calculation the average discharge during the time of greatest demand only, which in the kharif season of the year under review was for about 12 days in October 1891. The results are, for the Eastern Main Series, an average discharge of 1,556 c. feet per second from 11th to 23rd October, giving a duty of 48·2 acres per c. foot per second, and for the Western Main Series an average discharge of 3,750 c. feet per second from 8th to 20th October, with a duty of 50·3 acres per c. foot per second.

The Superintending Engineer remarks:—

“The duty obtained from the Eastern Main Series is considerably better than in previous years: that of the Western Main Series is much the same, and it may be taken as established that we cannot expect a much higher duty than 50 acres per cubic foot per second on the maximum discharge we can maintain at the head of the canals.”

“The result of most importance is the duty on the Buxar Canal system during the rabi season, which was 130 acres per cubic foot per second utilised. This is the first year in which there has been a demand for rabi irrigation from which any useful information as to the duty which could be realised was obtainable.”

CROP EXPERI-  
MENTS.

84. The results of experiments made during the year to determine the yield of rice crops irrigated from the canals were, for crops of average outturn, a yield of 23 maunds 10 seers of grain and 56 maunds 24 seers of straw on the mean of 71 experiments, and for specially selected crops a yield of 36 maunds 14 seers of grain and 87 maunds 15 seers of straw on the mean of 161 experiments.

The results, classified according to the soils on which the crops were grown, are remarkably uniform, even for the more barren classes of land. The Superintending Engineer remarks:—

“With thorough irrigation, and in the absence of too much rain at times, when it is not wanted, a good crop of rice can be grown on almost any soil.”

The results of a number of experiments made in the rabi season on the yield of canal-irrigated wheat are tabulated below:—

				IRRIGATED WITH CANAL WATER.			
DIVISION.	Staple.	Number of experi- ments.	AVERAGE YIELD PER ACRE.				
			Grain.		Straw.		
			Maunds.	Seers.	Maunds.	Seers.	
1	2	3	4	5	6	7	
Eastern Sone ..	Wheat ...	24	23	21	37	12	
Arrah ...	„ ...	41	17	20	28	21	
Buxar ...	„ ...	41	19	12	33	19	
Sone Circle average ...	„ ...	106	19	22	32	17	
Eastern Sone ...	Gram ...	8	10	33	13	17	

DEMANDS,  
COLLECTIONS,  
AND BALANCES.

85. The demands, collections, and balances of water-rates for the last five years are shown below:—

YEAR.	Amount outstand- ing at commence- ment of year.	Amount falling due for recovery during the year.	Total for recovery.	Cash realization.	Remitted or written off.	Balance at the end of the year.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1887-88	2,31,682	7,25,810	9,57,392	5,10,586	26,525	4,11,281
1888-89	4,11,281	7,53,217	11,64,498	7,59,556	24,339	3,80,613
1889-90	3,10,613	7,52,788	11,33,401	8,16,394	35,225	2,81,782
1890-91	2,81,782	5,93,178	9,10,060	6,44,718	21,460	2,08,782
1891-92	2,08,782	7,29,631	9,38,413	8,11,750	15,230	1,11,443

The balance outstanding at the end of the year 1890-91 was shown in the revenue report for that year as Rs. 2,44,728. It now appears, however, that this figure included a moiety of Rs. 35,946 on account of rabi irrigated during 1890-91, which, as noted by Superintending Engineer in paragraph 7 of his report for 1890-91, was made due on 1st April instead of 31st March.

Details of the figures are given in the table in paragraph 74 above.

The amounts included in the current demand for the last three years as assessments for the unauthorised use of water or for wastage of water are reported by the Superintending Engineer to be—

	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.
For unauthorized use of water ...	913	4,240	11,168
For wastage of water ...	224	256	234

86. In the following statement the Deputy Collector shows the extent to which the arrears as well as current demand have been worked off:—

	Demand of 1891-92 consisting of	Collected or remitted in 1891-92.	Percentage of demand adjusted.	Unadjusted balance at close of year.
1	2	3	4	5
Arrears previous to 1889-90 ...	Rs. 27,827	Rs. 19,190	68.9	Rs. 8,637
Arrears of 1889-90 ...	30,838	27,850	90.3	2,988
" " 1890-91 ...	1,50,116	1,45,635	97.0	4,481
Total arrears outstanding on 1st April 1891 ...	2,08,781	1,92,675	92.5	16,106
Current demand for 1891-92 ...	7,24,438	6,29,101	86.8	95,337
Total ...	9,33,219	8,21,776	88.0	1,11,443

There is on the whole a reduction on the outstanding balance of Rs. 1,33,285, but the rabi assessments which formerly became due on the 31st March, and are now due on the 1st April, no longer form a part of the balance.

The following statement gives the collections in each district:—

DISTRICT.	DEMAND.			ADJUSTMENTS.				Balance on 31st March 1892.	Percentage in column 8 on column 4.
	Arrears on 31st March 1891.	Current demand for 1891-92.	Total.	Collection.	Remission made by canal officers.	Written off as irrecoverable.	Total.		
1	2	3	4	5	6	7	8	9	10
Shahabad ...	Rs. 83,076	Rs. 8,47,905	Rs. 9,31,041	Rs. 8,03,707	Rs. 1,913	Rs. 6,743	Rs. 8,12,363	Rs. 86,078	91.0
Patna ...	93,744	12,441	1,06,185	1,51,651	1,104	9,277	1,57,032	29,133	84.3
Gaya ...	31,961	84,632	1,16,593	89,197	85	491	90,363	25,913	77.9
Total ...	2,08,781	7,24,438	9,33,219	8,03,555	3,710	11,511	8,21,776	1,11,443	88.0

As regards the progress made in the Patna district the Commissioner remarks:—

"The total demand for the year 1891-92 up to the end of February last amounted to Rs. 1,62,521, against Rs. 1,49,690 and Rs. 1,54,680 respectively in the corresponding period of the two preceding years. The total collections for the same period amounted to Rs. 1,31,187 against Rs. 48,782 and Rs. 53,759. The percentage of collection on demand was therefore 80.7 against 32.5 and 34.7 respectively. The balance outstanding at the close of February last was Rs. 26,119, which includes a sum of about Rs. 10,500 embezzled by the tahsildars against whom proceedings have been taken. So the actual balance on that date, excluding the amount embezzled, was only approximately Rs. 15,619 against Rs. 95,565 and Rs. 96,341 of the previous two years. This outturn of work is very satisfactory, and reflects credit on the Deputy Collector, Babu Shiva Sankar Singh, who was temporarily deputed to the work."



87. The percentage of the total demand collected in each district is given in the table below :—

District.	ARREARS DUE FOR IRRIGATION EFFECTED IN PREVIOUS YEARS.				DEMANDS FOR IRRIGATION EFFECTED IN 1891-92.			
	Percentage of total demand.				Percentage of total demand.			
	Demand.	Collections.	Remissions.	Outstanding at end of year.	Demand.	Collections.	Remissions.	Outstanding at end of year.
1	2	3	4	5	6	7	8	9
Shahabad—								
1890-91 ...	100·0	79·8	8·8	11·2	100·0	85·1	0·2	14·5
1891-92 ...	100·0	87·6	9·9	2·5	100·0	90·0	0·1	9·9
Patna—								
1890-91 ...	100·0	50·8	6·6	43·1	100·0	12·4	0·07	87·5
1891-92 ...	100·0	81·9	6·4	12·7	100·0	81·0	0·3	18·7
Gaya—								
1890-91 ...	100·0	91·3	0·2	8·4	100·0	68·6	1·1	40·1
1891-92 ...	100·0	91·7	1·6	6·7	100·0	71·2	0·8	28·0
Average—								
1890-91 ...	100·0	72·3	6·8	20·8	100·0	74·0	0·3	25·6
1891-92 ...	100·0	85·7	6·6	7·7	100·0	86·7	0·2	13·1

Besides the collections shown above, a further sum of Rs. 9,336 was credited to water-rate accounts as follows :—

PARTICULARS.	Shahabad.	Patna.	Gaya.	Total.
1	2	3	4	5
Process fees in certificate cases ...	Rs. 2,462	Rs. 1,303	Rs. 4	Rs. 3,769
Surplus and excess recoveries ...	3,922	226	1,074	5,222
Miscellaneous ...	326	137	—118	345
Total ...	6,710	1,666	960	9,336

#### REMISSIONS.

88. In the return submitted by the Examiner of Accounts the sums remitted during the year under review and the preceding year are shown as below :—

	1890-91.	1891-92.
	Rs.	Rs.
By canal officers ...	5,324	2,555
By civil „ ...	16,136	12,665
	<u>21,460</u>	<u>15,220</u>

According to the figures supplied by the Superintending Engineer the remissions are—

	Rs.
Written off by civil officers as irrecoverable ...	11,510
Remissions granted by Executive Engineers ...	3,304
Extraordinary remissions by Superintending Engineer ...	1,248
Remitted on revised and cancelled khatianies ...	1,365
	<u>17,427</u>

As regards the remissions by Executive Engineers, the difference between Rs. 3,304 shown by the Superintending Engineer, and Rs. 2,555 shown by the Examiner, viz. Rs. 749, was paid as a refund.

The ordinary remissions by the Executive Engineer are classified in the following table:—

Class.	Causes.	Eastern Sone Division.	Arrah Division.	Buxar Division.	Total, 1891-92.	Total, 1890-91.
1	2	3	4	5	6	7
		Rs.	Rs.	Rs.	Rs.	Rs.
<i>a</i>	Charged by mistake for land cultivated by others ...	...	...	23	23	...
<i>b</i>	Excess measurement or errors in calculation ...	130	269	18	417	...
<i>c</i>	Lift charged as flow ...	39	14	8	61	...
<i>d</i>	Irrigation not denied, but remitted as not chargeable under the Act ...	563	4	140	707	...
<i>e</i>	Land not having been irrigated at all ...	488	146	57	691	...
<i>f</i>	Injury to crop due to insufficient supply ...	472	103	119	694	...
<i>g</i>	Land thrown temporarily out of cultivation ...	...	...	...	...	...
<i>h</i>	(Applicable to long leases only) Failure of crop originally sown, rule 82 ...	...	279	27	306	...
<i>i</i>	Land appropriated for other purposes than cultivation ...	...	38	4	42	...
<i>j</i>	Double assessment, as when land assessed on a season lease is subsequently included in a long lease in the same year ...	...	271	92	363	...
	Total ...	1,692	1,124	488	3,304	6,555

Extraordinary remissions to the amount of Rs. 1,243 were granted by the Superintending Engineer for damage done to crops by unseasonable weather, and the sum of Rs. 1,365 remitted on revised and cancelled demand statements was in reality a modification of the demand, and cannot properly be classed as a remission.

The remissions implying errors in assessments, excluding revised and cancelled demand statements, for the last seven years were as follows:—

1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
67,554	21,055	13,036	11,284	9,886	6,579	3,304

There has been a steady improvement in the accuracy of the assessments, which is satisfactory.

The Superintending Engineer writes:—

“The most serious items are those classed as *d*, *e*, and *f*. The Eastern Sone Division shows the worst record, especially when the small area assessed in that Division is considered.”

The amount written off by civil officers as irrecoverable (Rs. 11,510) compares favourably with Rs. 16,128 in 1890-91 and Rs. 17,324 in 1889-90, though it is still rather high. The large sum written off in the Patna district was due to the arrears which had been allowed to accumulate there, and which were taken in hand and recovered in the year under review.

The following table compiled from the detailed statement given by the Deputy Collector shows the amounts written off in each district from the assessments of the several years :—

Written off from assessments of	Patna district.	Gaya district.	Shahabad district.	Total.
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1883-84 ...	1,748	5	...	1,753
1884-85 ...	950	16	...	966
1885-86 ...	522	88	...	610
1886-87 ...	491	93	...	584
1887-88 ...	407	151	...	558
1888-89 ...	131	68	661	860
1889-90 ...	27	45	4,310	4,382
1890-91 ...	...	25	1,555	1,580
1891-92 ...	...	...	217	217
Total ...	4,276	491	6,743	11,510

The percentage on the gross demand of remissions by canal officers is as follows :—

		Percentage of remissions to gross demand.	
		1890-91.	1891-92.
Eastern Sone Division	...	0.88	0.64
Arrah	...	6.43	0.31
Buxar	...	0.99	0.22

REVENUE  
ESTABLISH-  
MENT.

89. The expenditure on the revenue establishments employed during the year under review and the four previous years is shown below :—

PARTICULARS.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6
<i>Establishment under Collector.</i>	Rs.	Rs.	Rs.	Rs.	Rs.
1. Permanent establishment, including travelling allowances.	25,448	29,427	30,589	31,253	40,997
2. Temporary establishment ...	2,573	1,011	710	687	4,752
3. Contingencies ...	2,445	2,878	2,522	2,398	2,784
4. Fees to tahsildars or establishment employed in lieu thereof.	27,629	28,362	28,603	24,499	16,868
Fees to patwaris. Rule 40 ...	3,279	4,128	3,763	3,988	2,205
<i>Establishment under Executive Engineer.</i>					
Permanent and temporary establishment, including travelling allowances.	48,253	48,717	51,635	48,105	50,228
Contingencies ...	2,667	3,338	3,695	3,500	5,443
Water-regulation establishment ...	2,334	2,270	2,299	2,235	2,286
Headmen's fees ...	20,615	38,118	29,007	28,861	26,550
Total ...	1,35,243	1,58,249	1,52,823	1,45,528	1,52,113
Collections of water-rates and miscellaneous revenue by the Canal Revenue Department.	5,22,79	7,63,376	8,19,762	6,47,839	8,15,858
Percentage ...	25.8	20.7	18.6	22.3	18.66

During the year the three revenue circles of Shahabad, Patna, and Gaya were amalgamated and formed from the 1st of March 1892 into the Sone Canals Revenue Division, in charge of the Special Deputy Collector, who had previously supervised the collections in the Shahabad district only. The new Division is under the administrative control of the Superintending Engineer, Sone Circle.

An alteration has also been made in the establishment. Until the 1st of October the field establishment was charged to an allowance of half an anna in the rupee allowed under rule 53 for tahsildars or establishment employed in lieu thereof. From the date mentioned a salaried collecting establishment, partly permanent and partly temporary, on a scale sanctioned by Government, was employed. The system was further developed from the 1st of March, when the establishment was revised. The item "tahsildar's fees" will disappear from the accounts of future years, but a part of the headmen's fees now entirely disbursed by the Executive Engineers will be paid by the Deputy Collector for assistance rendered in collections.

90. In the table below the approximate cost of measuring lands brought under assessment during the year under review and of preparing demand statements are shown:—

COST OF  
MEASUREMENT  
&c., PER ACRE.

NAME OF DIVISION.	Areas measured.	COST OF MEASURING CROPS.		Areas assessed.	COST OF PREPARING DEMAND STATEMENTS.	
		Total.	Per acre.		Total.	Per acre.
1	2	3	4	5	6	7
	Acres.	Rs.	Pies.	Acres.	Rs.	Pies.
Eastern Sone ...	60,410	1,474	4-08	57,749	1,697	5-61
Arrah ...	101,156	3,852	7-31	94,253	2,114	4-30
Buxar ...	116,414	4,162	6-86	93,618	2,666	5-18
Total, 1891-92	277,980*	9,488	6-56	245,620†	6,477	5-06
Total, 1890-91	91,698	4,790	10-03	91,698	3,351	6-91
Total, 1889-90	150,315	6,681	8-40	150,315	5,184	6-62

\* These figures are the areas actually measured to end of March 1892 as shown in irrigation notes.

† These figures are the areas assessed by 31st March 1892 as nearly as can be estimated.

91. The cost per acre of assessments, including permanent and temporary establishments and headmen's fees, is given in the statement below:—

DIVISION.	Area assessed during the year.	CHARGE PER ACRE.			TOTAL.	
		Permanent establishment.	Temporary establishment.	Headmen's fees, liabilities on account of 1891-92.	1891-92.	1890-91.
1	2	3	4	5	6	7
	Acres.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Eastern Sone ...	57,749	0 2 5	0 0 9	0 2 0	0 5 2	0 11 5
Arrah ...	94,253	0 2 8	0 0 8	0 2 4	0 5 8	0 10 7
Buxar ...	93,618	0 2 0	0 0 7	0 2 0	0 4 7	1 3 0
Total ...	245,620	0 2 4	0 0 8	0 2 2	0 5 2	0 12 6
Total, 1890-91 ...	91,698	0 6 2	0 1 6	0 4 9	...	...

COMPLAINTS.

92. Below is a statement showing the progress made in disposing of "complaints" properly so defined, i.e., objections to assessments actually made or petitions alleging that damage has been sustained through the canals:—

DIVISION.	(I)—ORDINARY REMISSION.				(II TO V)—OTHER COMPLAINTS.			Total complaints received during year, excluding those pending from previous year.	Pending.
	Received during the year and pending from previous year.	Disposed of.		Pending.	Received during the year and pending from last year.	Disposed of.	Pending.		
		Remission allowed.	Remission refused.						
1	2	3	4	5	6	7	8	9	10
Eastern Sono ...	No. 1,794	No. 552	No. 1,089	No. 133	No. 21	No. 89	No. 1	No. 1,783	No. 154
Arrah ...	2,201	470	1,592	194	140	105	44	2,333	230
Buxar ...	(86)	241	293	130	78	66	7	737	137
Total, 1891-92 ...	4,725	1,264	2,974	457	243	191	52	4,855	520
Total, 1890-91 ...	3,703	1,508	1,490	109	194	120	4	3,161	113

The Superintending Engineer writes:—

"The number of complaints has increased considerably in all three divisions over the previous year. This is due to the largely extended irrigation, and does not indicate any falling off in the administration of the canals. The largest number of complaints had reference to alleged excess measurement, non-irrigation, deficient supply of water, and mistakes in entering the name of the person liable for the rate.

The complaint was admitted in the cases dealt with as under:—

Excess measurement ...	37	per cent. admitted.
Non-irrigation ...	14	" " "
Deficient supply of water... 17	"	" " "
Mistake in name ... 43	"	" " "

Taking all the complaints asking for remission, 30 per cent. were admitted and 70 per cent. rejected.

Of the 2,974 complaints which were rejected, it is probable that a very considerable number were of such a frivolous nature that they need not have been entertained at all. It is no doubt safer to continue the existing practice, by which all petitions are accepted and registered, whatever their nature may be, but it is necessary to bear this in mind as explaining to some extent the large numbers of complaints shown in the returns."

Details by divisions are given below of the "applications"—in which term are included petitions for leases and outlets, for change of names in five-year leases, or for the post of headman—received during the year in addition to the complaints noted above, of which 1,867 were granted and 2,412 refused out of 5,025 received, the number pending at the close of the year being 746:—

DIVISION.	Received during the year and pending from last year.	Granted.	Refused.	Pending at the close of the year.
1	2	3	4	5
Eastern Sono ...	No. 1,511	No. 730	No. 495	No. 286
Arrah ...	2,625	648	1,592	386
Buxar ...	889	489	325	75
Total ...	5,025	1,867	2,412	746
Total, 1890-91	4,335	2,312	1,557	466

The following remarks on the subject are quoted from the Superintending Engineer's report :—

“ Four thousand two hundred and seventy-nine cases were disposed of in the year as compared with 3,869 in 1890-91. The balance pending on 31st March was large, but has been considerably reduced since. The most important cases which are dealt with are those relating to the ownership and rights of use of village channels. Altogether 1,052 cases in this class were disposed of during the year.”

93. Thirty-two appeals were preferred to Collectors against the orders passed by canal officers on complaints, of which 18 were dismissed, and 2 were allowed and 12 were still pending at the close of the year.

APPEALS.

Ten cases were decided by engineers vested with magisterial powers under the Bengal Irrigation Act. Twenty-one persons accused of offences under the Act were convicted, and two discharged. The amount of fines imposed was Rs. 235.

94. The certificates required in realising water-rates continue to be dealt with by the Special Deputy Collector in charge of the collections, as was the case last year.

CERTIFICATE PROCEDURE.

The amount of certificate work done in each district during the year under review, as compared with that of the previous year, is shown in the following statement:—

	SHAHABAD.				PATNA.				GAYA.				TOTAL.			
	1890-91.		1891-92.		1890-91.		1891-92.		1890-91.		1891-92.		1890-91.		1891-92.	
	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.
1	2	3	4	5	6	7	8		10	11	12	13	14	15	16	17
Cases for disposal—		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
1. Cases pending at the close of the preceding year.	573	0,757	245	6,302	1,328	16,596	1,312	16,325	105	0,752	29	2,757	2,000	29,075	1,546	26,529
2. Cases instituted during the year	3,330	34,524	3,138	27,888	1,480	7,447	8	2,182	130	8,003	18	1,171	4,891	46,974	3,178	31,176
Total	3,903	41,281	3,383	34,190	2,731	23,043	1,320	18,507	235	11,755	47	3,928	6,891	76,049	4,724	56,400
Cases disposed of—																
1. By being struck off owing to the demand having been remitted	428	4,508	308	5,490	748	5,012	53	9,025	40	6,014	17	3,467	1,316	16,129	240	15,489
2. By being wholly satisfied	3,336	30,576	3,033	29,337	673	1,708	1,198	1,654	186	2,354	19	184	4,095	34,891	4,250	31,345
Total	3,864	35,070	3,341	34,827	1,421	6,718	1,251	11,540	226	8,368	36	3,651	5,411	50,765	4,490	47,267
Balance outstanding at the close of the year.	245	6,302	156	2,028	1,312	16,325	67	0,888	29	2,757	11	277	1,574	25,244	211	9,145

The number for disposal was 4,704, inclusive of the outstanding balance from last year, covering a sum of Rs. 56,460 as compared with Rs. 6,897 and Rs. 76,049 in the previous year. The demand adjusted was Rs. 47,267 as against Rs. 50,765, the remissions being Rs. 15,882 compared with Rs. 16,129.

The Commissioner remarks that the decrease in the number of certificates filed during the year, which is specially noticeable in the districts of Gaya and Patna, is satisfactory as proving that the collecting establishment is now more mindful of its duties, instead of throwing a large share of the work upon the Certificate Department, as was formerly the practice. He adds:—

“ On the whole the Deputy Collector in charge of the Sone Canal and his staff have worked creditably in reducing the arrears and in making good collections with the least possible recourse to the certificate procedure.”

95. The sum for which demand statements were submitted during the year, including five-year leases, unauthorised irrigation, and wastage of water was Rs. 7,76,059. The degree of punctuality observed in submission is shown in the following statement, the figures in which include Rs. 4,484 on account of irrigation which occurred in 1890-91, and exclude the sum of Rs. 2,01,244 for

which assessments were not submitted until after 31st March 1892, and which did not fall due during 1891-92:—

ASSESSMENTS WHEN SUBMITTED.	Hot weather.	Long leases.	Kharif and bhadol.	Water supplied by volume.	Babi.	Wastage of water.	Sugar-cane.	Total.
1	2	3	4	5	6	7	8	9
Before the demand fell due ... ..	Rs. 8,688	Rs. 4,49,183	Rs. 71,661	Rs. 1,174	Rs. 1,01,146	Rs. 16,468	Rs. 4,908	Rs. 6,31,743
Within a month after the demand fell due	24,340	19,429	50,468	...	5,873	...	874	1,00,893
More than a month after the demand fell due.	19,150	924	3,316	...	184	...	20	21,633
Total	52,127	4,69,536	1,25,445	1,174	1,07,203	16,468	5,402	7,76,669

NAVIGATION. 96. The receipts from navigation revenue and tollage for the last five years are shown in the following statements:—

NAVIGATION RECEIPTS.

YEAR.	EASTERN MAIN SERIES.			WESTERN MAIN SERIES.			Total.	Total tollage only.
	Number of miles open.	Tollage receipts.	Transport service receipts.	Number of miles open.	Tollage receipts.	Transport service receipts.		
1	2	3	4	5	6	7	8	9
1887-88 ... ..	No. 86½	Rs. 27,632	Rs. 95*	No. 132½	Rs. 23,462	Rs. 4,826*	Rs. 55,904	Rs. 50,984
1888-89 ... ..	86½	24,876	60*	132½	27,280	5,107*	57,829	54,162
1889-90 ... ..	86½	25,189	...	132½	26,000	6,570*	57,769	51,189
1890-91 ... ..	86½	28,466	...	132½	28,128	9,036*	65,629	56,693
1891-92 ... ..	86½	25,603	...	132½	31,737	9,178*	66,517	57,339

\* There is no longer any Government transport service. These receipts are on account of hire of steamers, boats and sundries.

TOLLAGE. TOLLAGE (ASSESSED).

YEAR.	Patna Canal system, Eastern Main Canal series.	Arrah Canal system.	Buxar Canal system.	Total.
1	2	3	4	5
1887-88 ... ..	Rs. 28,206	Rs. 15,306	Rs. 8,030	Rs. 51,542
1888-89 ... ..	26,166	18,121	8,826	52,412
1889-90 ... ..	24,271	18,666	7,479	50,315
1890-91 ... ..	28,526	18,180	9,998	56,704
1891-92 ... ..	26,466	21,048	10,789	57,292

TRAFFIC. COMPARISON OF TRAFFIC.

PARTICULARS.	1887-98.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6
Number of miles open ... No.	218½	218½	218½	218½	218½
Toll collections ... Rs.	51,542	52,412	50,315	56,704	57,292
Collections per mile ... "	236	240	230	259	262
Boats, including empties ... No.	8,116	8,096	8,058	8,644	8,646
Tonnage of boats ... Tons.	95,062	106,788	104,390	114,996	129,147
Estimated value of cargo, including rafts ... Rs.	56,80,508	58,04,029	49,36,564	66,26,714	70,06,595

97. Messrs. Hodges and Radford, whose contract was renewed for a further period of two years from 1st December 1892, continue the working of the transport service. The charges, Rs. 600 per month for steamer hire, and Rs. 500 for compounded tolls, are the same as in past years, the ordinary repairs of the steamers being executed by the lessees.

TRANSPORT  
SERVICE.

The extent of the traffic in connection with the steamers is shown below:—

PARTICULARS.		Arrah Canal.	Buxar Canal.	Patna Canal.	Total.
1		2	3	4	5
Passengers carried	Up ... No.	13,129	8,123	3,366	24,618
	Down ..	13,086	8,048	3,353	24,487
Cargo carried	Up ... Tons.	613	311	839	1,763
	Down ... ..	264	864	740	2,107

On the Arrah and Buxar Canals the steamers make two trips each way in every week. On the Patna Canal the steamer makes only one trip each way in a week.

There are in addition to the steamers four cargo boats, the property of Government, for the hire of which Rs. 1,442 was received during the year, besides which Rs. 535 was recovered by way of fees for the use of the accommodation boat.

98. The following table shows the details of the miscellaneous receipts for the last five years:—

MISCELLANEOUS  
RECEIPTS.

PARTICULARS.		1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1		2	3	4	5	6
		Rs.	Rs.	Rs.	Rs.	Rs.
Sale of water	...	370	387	514	383	1,056
Plantations	...	394	383	279	355	995
Other canal produce	...	2,145	1,816	1,542	1,815	742
Water-power	...	703	835	769	1,158	1,049
Rent of buildings	...	7,197	8,247	8,313	8,164	8,337
Fines	...	317	224	28	40	5
Miscellaneous	Rent of lands	10,997	7,495	6,939	8,114	9,920
	Fisheries	503	734	597	431	489
	Cost of process	2,474	3,739	3,244	2,937	3,769
	Sale of old materials	60	103	17	131	82
	Other items	3,295	2,042	1,100	2,610	5,323
Total		28,459	26,504	23,342	26,128	31,827

99. The expenditure on works and maintenance will now be briefly reviewed.

The principal works executed under "extensions and improvements," on which Rs. 3,812 were spent, were the substitution of brick arches for wooden tops on bridges on the Gurrah Chowbey branch canal, in addition to which the road along the Koelwar distributary was improved, and other minor works carried out.

MAINTENANCE  
CHARGES.  
EXTENSIONS  
AND IMPROVEMENTS.

100. The expenditure on repairs, which was last year reduced by Rs. 20,161, shows a still further reduction of Rs. 13,027, due to economies

REPAIRS.



effected in the Arrah Division on silt clearing and repairs to masonry works. The distribution by subheads is as follows:—

PARTICULARS.	1889-90.	1890-91.	1891-92.
1	2	3	4
	Rs.	Rs.	Rs.
Head works ... ..	32,787	20,353	20,922
Main canal, including branches	1,89,296	1,78,593	1,75,837
Distributaries ... ..	60,767	67,616	58,248
Drainage and protective works .	8,502	61,01	3,622
Cost of working transport service	779	...	1,155
Compensation ... ..	861	168	28
Total ... ..	2,92,992	2,72,831	2,59,832

101. The figures below give the cost of repairs to head works during the last three years:—

	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.
Weir on Sone River ... ..	21,133	11,151	11,617
Other works ... ..	11,030	8,743	8,773
Total ... ..	32,163	19,894	20,390

102. Details of the expenditure on maintenance and repairs on the main canals and distributaries in each division during the last three years are given in the following statement:—

	Arrah Division.			Buxar Division.			Eastern Sone Division.			Total.		
	1889-90.	1890-91.	1891-92.	1889-90.	1890-91.	1891-92.	1889-90.	1890-91.	1891-92.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Western Main Canal ... ..	48,430	44,777	47,077	15,423	16,167	12,002	...	...	...	63,853	60,944	59,079
Eastern ditto ... ..	...	...	...	...	...	...	32,267	20,398	32,423	32,267	20,398	32,423
Canals ... ..	26,854	25,110	22,944	10,548	15,896	13,822	25,077	25,566	28,513	62,471	66,572	65,279
Branch Canals ... ..	13,179	12,540	10,79*	13,269	7,514	9,367	...	...	...	28,448	20,051	20,165
Distributaries ... ..	29,682	33,708	24,943	17,106	17,747	16,927	13,979	16,161	16,377	60,767	67,614	58,247
Drainage and protective works	5,285	4,332	1,841	168	...	140	3,048	1,768	1,905	8,501	6,100	3,586
Total ... ..	1,25,430	1,20,465	1,07,603	56,509	57,321	52,258	74,371	72,893	78,918	2,56,310	2,50,682	2,38,779

The charge for maintaining the Telegraph line from Arrah to Dehri, which has been included in paragraph 100 under head "Main Canal with Branches," is excluded from the figures given above.

A reduction of Rs. 11,903 has been effected in the total expenditure during the year, as compared with 1890-91.

The charges for silt clearing are higher than last year in the Eastern Sone Division and lower in the Arrah and Buxar Divisions, while on the Main Western Canal the cost of this item remained the same as in 1890-91, and cannot be expected to fall much below Rs. 50,000 in any year. The total charges under the head "Earthwork" in the first five miles of the Western Main Canal rose from Rs. 43,430 last year to Rs. 46,179 in 1891-92, out of which Rs. 42,026 was for silt clearing, against Rs. 40,942 in 1890-91. It may be remarked that this year all the silt clearing in this reach was done by dredging, the sum of Rs. 921 shown as expenditure on silt clearing by hand representing payments made in April 1891 for work done during March.

103. The following table shows the quantity of silt dredged from the Eastern and Western Main and Buxar Canals, and the rate at which the work was done during the last three years:—

SILT-CLEARING  
AND DREDG-  
ING.

CANALS.	1889-90.			1890-91.			1891-92.		
	Quantity dredged.	Cost including removal over spoil bank, or discharge into river.	Rate per 1,000 cubic feet.	Quantity dredged.	Cost, including removal over spoil bank, or discharge into river.	Rate per 1,000 cubic feet.	Quantity dredged.	Cost, including removal over spoil bank, or discharge into river.	Rate per 1,000 cubic feet.
1	2	3		5	6	7	8	9	10
	C. ft.	Rs.	Rs. A. P.	C. ft.	Rs.	Rs. A. P.	C. ft.	Rs.	Rs. A. P.
Eastern Main and Patna ...	2,309,143	13,867	5 13 7	2,235,724	11,747	5 4 0	1,706,541	10,905	6 6 2
Western Main ...	6,410,767	40,033	6 3 10	7,833,182	45,498	5 12 11	6,749,057	43,040	6 6 0
Buxar Canal ...	...	...	...	720,117	2,970	4 1 11	187,000	1,123	6 6 0
River Sone ...	1,563,222	3,285	2 1 7	1,502,555	2,148	1 6 10	1,921,530	3,990	2 1 2
Head Lock ...	35,620	210	5 14 3	60,224	281	4 3 10	64,124	313	4 14 1
Total ...	10,378,752	57,395	5 8 5	12,357,802	62,614	5 1 1	10,628,252	59,371	5 9 3

The rates shown in the above table include the cost of lifting the silt into barges and of carrying it either over the spoil banks or into the river. The rates necessarily vary much under the latter head owing to different heights of spoil bank and of different lengths of lead to the river.

The cost of lifting the silt on to the barges or dredging proper was as shown below:—

	1889-90.			1890-91.			1891-92.		
	Quantity dredged.	Cost of dredging.	Rate per 1,000 cubic feet.	Quantity dredged.	Cost of dredging.	Rate per 1,000 cubic feet.	Quantity dredged.	Cost of dredging.	Rate per 1,000 cubic feet.
1	2	3	4	5	6	7	8	9	10
	C. ft.	Rs.	Rs. A. P.	C. ft.	Rs.	Rs. A. P.	C. ft.	Rs.	Rs. A. P.
Eastern Main and Patna ...	2,309,143	3,750	1 9 3	2,235,724	3,674	1 10 3	1,706,541	3,196	1 13 10
Western Main ...	6,410,767	12,707	1 15 8	7,833,182	15,276	1 15 2	6,749,057	12,734	1 14 2
Buxar ...	...	...	...	720,117	1,385	1 14 9	187,000	371	2 0 0
River Sone ...	1,563,222	2,835	1 13 0	1,502,555	1,928	1 4 6	1,921,530	3,571	1 13 7
Head Lock ...	35,620	135	3 12 7	60,224	208	3 2 3	64,124	177	2 12 1
Total ...	10,378,752	19,427	1 13 11	12,357,802	22,471	1 13 1	10,628,252	20,042	1 14 2

The rate in the Eastern Sone Division, which in 1889-90 was reduced from Rs. 2-2-4 to Rs. 1-9-3, has risen to Rs. 1-13-10, due mainly to the economy in rope and belting, which was effected in 1889-90, not having been maintained.

The rate per 1,000 cubic feet in the river Sone has risen to the figure at which it stood in 1889-90.

104. The statement below compares the expenditure on repairs to dredgers during the year under review with that of the two previous years:—

	1889-90.	1890-91.	1891-92.
1	2	3	4
	Rs.	Rs.	Rs.
12 Fouracres' dredgers	6,675	6,857	7,004
2 Bruce's ditto	374	436	750
2 English ditto	3,439	3,552	3,170
Mud punts ...	3,178	4,790	3,009
Total ...	13,666	15,635	13,933

105. The cost of lifting the silt on to barges, for each class of dredger used, including interest on capital cost and expenditure on repairs, is compared by the Superintending Engineer as follows:—

	Average cost in 1891-92 of lifting per 1,000 cubic feet.			Interest on capital cost per 1,000 cubic feet lifted.			Cost of repairs per 1,000 cubic feet lifted.			Total.
1	2			3			4			5
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs. A. P.
Fouraeres' dredgers ...	1	14	1	0	8	0	0	14	3	3 4 4
Bruce's dredger ...	1	11	8	0	13	6	0	7	8	3 0 10
English ladder dredgers	2	0	10	3	1	0	2	0	0	7 1 10

The charges for interest and repairs of mud punts amounting to Re. 1-1-9 for each class of dredger, are not included in the above figures. The results show that the Bruce's dredgers are the most economical.

106. The table below shows the quantity of silt cleared by hand from main canals in the Eastern Sone Division and the cost, compared with the figures for the two previous years:—

	1889-90.			1890-91.			1891-92.		
	Quantity cleared by hand.	Cost.	Rate.	Quantity cleared by hand.	Cost.	Rate.	Quantity cleared by hand.	Cost.	Rate.
1	2	3	4	5	6	7	8	9	10
	C. feet.	Rs.	Rs. A. P.	C. feet.	Rs.	Rs. A. P.	C. feet.	Rs.	Rs. A. P.
Eastern Main and Patna Canals...	2,491,847	13,067	6 8 10	4,282,127	19,021	4 7 0	6,283,004	24,798	3 15 2

The Western Main Canal was not closed during the year, and there was therefore no silt clearance by hand.

WEED CLEAR-  
ING.

107. The following figures give the cost of weed-clearing for the last five years:—

DIVISION.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
Eastern Sone ...	558	217	9	396	277
Arrah ...	2,691	1,053	715	1,299	2,470
Dehri Workshops ...	782	899	911	1,350	1,060
Buxar ...	884	869	726	1,505	2,206
Total ...	4,915	3,038	2,361	4,550	6,013

The Superintending Engineer remarks:—

"There has again been an increase in the cost of this item in the Arrah and Buxar Divisions. In Arrah Canal the worst place is the reach between Lock V (Dunwar) and Lock VI (Harpur), where owing to the reduction in velocity there is a considerable deposit of silt which encourages the growth of weeds. This reach has been cleared of silt in the past hot weather, which should cause temporary relief. On the Buxar Canal it was necessary to clear weeds to a greater extent than usual on account of the large supply of water required for rabi irrigation in November, December, and January, when the weeds are at their worst."

108. The cost per mile of repairs to main canals and distributaries are shown below :—

MILEAGE  
RATES OF  
REPAIRS OF  
CANALS AND  
DISTRIBUTU-  
TARIES.

CANAL.	Division.	1889-90.		1890-91.		1891-92.	
		Number of miles.	Cost per mile.	Number of miles.	Cost per mile.	Number of miles.	Cost per mile.
1	2	3	4	5	6	7	8
Eastern Main Canal ...	Eastern Sone ...	No. 7½	Rs. 4,483	No. 7½	Rs. 4,054	No. 7½	Rs. 4,472
Western ditto ...	Dehri Workshop ...	9	6,702	9	6,286	9	6,191
Buxar Canal ...	Buxar ...	12½	283	12½	364	12½	267
Patna do. ...	Do. ...	45½	233	45½	351	45½	305
Arrah do. ...	Eastern Sone ...	79	817	79	823	79	861
Doomraon Branch ...	Arrah ...	65½	411	65½	383	65½	350
Behra ditto ...	Do. ...	40½	193	40½	163	40½	144
Chowha ditto ...	Do. ...	31	239	31	193	31	162
Gurrah Chowbey Branch ...	Buxar ...	39½	246	39½	117	39½	166
	Do ...	34	93	34	76	34	74
Distributaries ...	Arrah ...	467½	63	467½	72	469	58
	Buxar ...	354½	48	370½	48	373½	45
	Eastern Sone ...	358	39	368	45	350½	47

109. The charge for establishment not specially shown under the head "Revenue establishment" was Rs. 1,89,196 in 1891-92, against Rs. 1,88,895 in 1890-91. The Superintending Engineer gives the following explanation showing the total expenditure on construction establishment in the canal divisions and the manner in which it is debited. The difference between the sum debited to the canals and the amount, Rs 1,89,196, mentioned above is the charge for direction and accounts.

"There is a slight increase in the charges for establishment (Construction, Direction, and Accounts). As the charges for construction establishment will become a heavier item in the working expenses when expenditure on the capital account ceases, I think it is of some interest to see what the total charges are and how they are distributed.

The following table compiled from figures by the Executive Engineer will show this :—"

		Rs.
Total charge for Construction establishment ...	...	2,09,312
Charged to capital Outlay, Sone Canals ...	...	37,083
Charged to Civil Buildings—		
Imperial ...	...	3,252
Provincial ...	...	26,205
Charged to Agricultural Work ...	...	680
Charged to Takavi ...	...	110
Charged to Contribution (village channels) ...	...	167
Total ...	...	67,897
Balance charged to Working Expenses, Sone Canal ...	...	1,41,415

110. Below is a statement showing the number of trees, classified PLANTATIONS, according to size, in the plantations in each division :—

DIVISION.	1891-92.				1890-91.				Increase.	Decrease.
	Trees over 12 feet in height.	Saplings between 4 and 12 feet.	Seedlings under 4 feet.	Total.	Trees over 12 feet in height.	Saplings between 4 and 12 feet.	Seedlings under 4 feet.	Total.		
1	2	3	4	5	6	7	8	9	10	11
Eastern Sone ...	No. 81,517	No. 29,482	No. 87,704	No. 198,443	No. 88,430	No. 31,271	No. 69,040	No. 178,041	No. ...	No. 9,504
Arrah ...	No. 54,755	No. 27,788	No. 39,060	No. 118,303	No. 37,016	No. 23,600	No. 59,048	No. 118,433	No. ...	No. 840
Dehri Workshop ...	No. 6,488	No. 46,080	No. 5,504	No. 58,111	No. 8,589	No. 32,164	No. 14,158	No. 54,783	No. 1,433	No. ...
Buxar ...	No. 29,149	No. 8,185	No. 14,798	No. 49,132	No. 19,673	No. 12,006	No. 14,950	No. 46,629	No. ...	No. 3,701
Total ...	168,979	111,454	177,966	358,279	147,877	97,370	133,303	400,450	1,433	13,604

Net decrease ... 13,171.

The decrease in the Eastern Sone Division is due to inaccurate counting in previous years.

## CALCUTTA AND EASTERN CANALS.

111. The Capital and Revenue Accounts of these canals are given below :—

## 1.—CAPITAL ACCOUNT.

CAPITAL  
ACCOUNT.

HEADS OF ACCOUNT.			Outlay during 1891-92.	Outlay to end of 1891-92.
1			2	3
DIRECT CHARGES.			Rs.	Rs.
Old outlay prior to the year 1861-62	...	...	...	24,91,012
I.—Works	...	...	53	20,36,808
II.—Establishment	...	...	18	3,84,988
III.—Tools and plant	...	...	...	3,51,663
IV.—Profit and loss	...	...	...	847
V.—Suspense accounts	...	...	(—) 387	11,692
Total	...	...	(—) 316	52,77,010
Less—Receipts on capital account	...	...	10,013	54,467
Total direct charges	...	...	(—) 10,329	52,22,543
INDIRECT CHARGES.				
Leave and pension allowances	...	...	2	61,027

No works of any importance chargeable to the Capital Account of the canals were carried out during the year.

## 2.—REVENUE ACCOUNT—(Actuals).

REVENUE  
ACCOUNT.

PARTICULARS.	EXPENDITURE—		PARTICULARS.	RECEIPTS—	
	During 1890-91.	During 1891-92.		During 1890-91.	During 1891-92.
1	2	3	4	5	6
DIRECT CHARGES.	Rs.	Rs.		Rs.	Rs.
I.—Works, Maintenance and repairs.					
Works (extensions and improvements).	36,676	36,289	Navigation	5,19,263	5,15,125
Repairs	1,49,872	1,72,457	Miscellaneous	5,883	10,218
Establishment, including direction and accounts.	64,041	65,757	Total	5,25,146	5,25,343
Tools and plant	20,691	12,541	Less—Refunds of revenue.	61	124
Total	2,71,280	2,87,044			
II.—Revenue Management.					
Navigation establishment.	38,343	41,359			
Total direct charges	3,09,623	3,28,403			
INDIRECT CHARGES.					
Capitalized abatement of land revenue	...	...			
Leave and pension allowances.	14,334	14,996			
Total indirect charges	14,334	14,996			
Total working expenses.	3,23,957	3,43,399			
Profit	2,01,128	1,81,820			
Total	5,25,085	5,25,219	Net total receipts...	5,25,085	5,25,219

112. The receipts on Revenue Account and working expenses for the last ten years are shown in the following statement:—

FINANCIAL RESULTS

	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6	7	8	9	10	11
<b>RECEIPTS.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>
Navigation ... ..	5,55,103	5,51,713	5,20,495	5,01,141	4,77,160	5,71,709	5,20,190	5,88,300	5,19,353	5,16,125
Miscellaneous ... ..	9,091	12,388	40,231	121,027	6,455	5,108	5,224	7,312	5,881	10,218
<b>Total</b> ... ..	<b>5,64,194</b>	<b>5,64,101</b>	<b>5,60,726</b>	<b>4,79,484</b>	<b>4,83,654</b>	<b>5,79,934</b>	<b>5,75,114</b>	<b>4,95,612</b>	<b>5,25,146</b>	<b>5,25,343</b>
<b>Less—Refunds of revenue</b> ... ..							19	74	61	124
<b>Net total receipts</b> ... ..	<b>5,64,194</b>	<b>5,64,101</b>	<b>5,60,726</b>	<b>4,79,484</b>	<b>4,83,654</b>	<b>5,79,934</b>	<b>5,75,125</b>	<b>4,95,513</b>	<b>5,25,085</b>	<b>5,25,219</b>
<b>WORKING EXPENSES.</b>										
<i>Direct charges, (extensions and improvements)</i> ... ..		27,897	78,575	32,277	5,092	1,478	4,573	1,244	36,676	30,880
Maintenance and repairs ... ..	2,27,678	1,02,316	99,292	67,102	1,02,480	1,04,567	1,03,640	1,05,315	1,40,872	1,72,157
Establishment ... ..	92,587	81,478	93,913	67,585	66,029	88,168	84,635	80,809	1,02,384	1,07,116
Tools and plant ... ..		8,033	7,312	18,944	8,347	18,139	22,054	13,510	29,691	12,011
<b>Total direct charges</b> ... ..	<b>3,20,265</b>	<b>2,20,624</b>	<b>2,78,192</b>	<b>1,86,717</b>	<b>1,82,888</b>	<b>2,12,312</b>	<b>2,81,914</b>	<b>2,00,968</b>	<b>3,09,623</b>	<b>3,29,963</b>
<i>Indirect charges, Capitalization of abatement of land revenue</i> ... ..										
Leave and pension allowances ... ..	6,632	11,497	13,022	9,402	9,376	12,344	11,853	12,165	14,334	14,996
<b>Total indirect charges</b> ... ..	<b>6,632</b>	<b>11,497</b>	<b>13,022</b>	<b>9,402</b>	<b>9,376</b>	<b>12,344</b>	<b>11,853</b>	<b>12,165</b>	<b>14,334</b>	<b>14,996</b>
<b>Total working expenses</b> ... ..	<b>3,26,897</b>	<b>2,32,631</b>	<b>2,91,214</b>	<b>1,96,209</b>	<b>1,92,264</b>	<b>2,24,656</b>	<b>2,93,801</b>	<b>2,13,133</b>	<b>3,23,957</b>	<b>3,43,369</b>
<b>Net revenue</b> ... ..	<b>2,37,297</b>	<b>3,32,070</b>	<b>2,78,512</b>	<b>2,83,275</b>	<b>2,91,390</b>	<b>3,55,278</b>	<b>2,81,324</b>	<b>2,16,410</b>	<b>2,01,128</b>	<b>1,81,820</b>

The profits in the working of the canals were Rs. 1,81,820, or 3·4 per cent. on the capital outlay. Results for ten years are given below:—

YEAR.	CAPITAL OUTLAY (DIRECT AND INDIRECT)—		RECEIPTS AND WORKING EXPENSES.			Percentage of net revenue to capital outlay to end of year.
	During the year.	To end of the year.	Gross revenue.	Charges (direct or indirect).	Net revenue.	
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	
1882-83 ... ..	3,21,361	50,96,000	5,64,194	3,66,897	2,37,297	4·6
1883-84 ... ..	1,55,534	52,51,534	5,64,101	2,32,031	3,32,070	6·3
1884-85 ... ..	9,013	62,60,547	(a) 5,60,726	2,91,214	2,78,512	5·2
1885-86 ... ..	(—)42,566	62,17,981	(b) 4,79,484	1,96,209	2,63,275	5·4
1886-87 ... ..	5,293	62,23,274	4,83,654	1,92,264	2,91,390	5·5
1887-88 ... ..	16,842	62,39,116	5,79,934	2,24,656	3,55,278	6·7
1888-89 ... ..	49,360	62,88,486	5,75,125	2,93,801	2,81,324	5·3
1889-90 ... ..	(—)281	62,88,204	4,95,513	2,79,133	2,16,410	4·1
1890-91 ... ..	5,693	62,93,897	5,25,085	3,23,957	2,01,128	3·8
1891-92 ... ..	(—)10,327	62,83,670	5,25,219	3,43,399	1,81,820	3·4

(a) Is Rs. 35,125 larger than it should be by reason of error of account.  
(b) Is Rs. 35,126 smaller than ditto ditto ditto.

These figures show that the percentage of net revenue to capital outlay, which in the year 1887-88 was 6·7 per cent., has since then decreased steadily to 3·4 per cent. in the year under review.

The receipts from navigation during the ten years previous to 1891-92 have averaged Rs. 5,23,059. The yearly fluctuations are considerable, but the falling off since 1889-90 is marked, and is due mainly to the competition of the Central Bengal Railway from Khulna to Calcutta, and of the Steam Navigation Companies. The Superintending Engineer writes:—

“The aggregate collections of the year from boats, steamers, and rafts, including demurrage, was Rs. 5,09,182, against Rs. 5,14,745 of the previous year, thus showing a decrease of

Rs. 5,618 for the year under review. Taking into consideration railway traffic from Khulna, and that the greater portion of the jute from Sirajganj is now brought by rail and flats, instead of by country-boats as before, the above result is satisfactory. The closure of the Dhappa locks for one month and six days, from 15th April 1891, also partially accounts for the short collections. The jute crop was bad, especially at Madaripur, consequently the traffic under this head fell off considerably. The loss by the traffic in jute was made up to a considerable extent by that in rice, which in the previous year was very short. The increase under this head for 1891-92 amounted to 17,89,678 mounds and Rs. 35 076 in collections. A portion of the rice traffic from Magura has been diverted to the railway. There was an increase in other items, such as spices, salt, kerosine oil, and empty boats, while there was a decrease (besides jute) in firewood, passenger boats, fish, lime and coal. The Supervisor of the Calcutta Canals reports—'Our canal traffic will, I think, suffer considerably at Chitpur, as the Oriental Gas Company have connected their works at Sealdah with the Eastern Bengal State Railway, which will enable them to bring in all their coal direct by train; previously it was all brought by boats, averaging about five or six a day. The kerosine oil traffic is also being diverted to the new railway from Badga-Budge.'

"There was an increase in the item salt, although a very large quantity was, and is being, sent by train from Chitpur ghāt. The India General Steam Navigation Company and River Steam Navigation Company carry large quantities of cargo which formerly was carried by country boats. The number of steamers and flats is increasing every year. One thousand and ninety-one steamers and flats paid tolls during the year, as compared with 1,058 steamers and flats, from which Rs. 5,425 was realized during the previous year. When it is considered what an immense quantity of cargo these flats carry, and that railways have extended and tap the canal traffic at many places, the results appear very satisfactory."

But the principal cause of the diminution of the net revenue is to be found in the working expenses and maintenance of the Canals, which were higher in 1891-92 than in any of the ten preceding years. The reason for this is the yearly increasing cost of silt clearance, and it will be found that in years such as 1889-90, when the working expenses were abnormally low, the expenditure on this item was considerably below the average. The fact is that the canals independently of, and possibly partly in consequence of, the construction of the locks at Chitpur and Dhappa, are now maintained in a far more efficient state than they were formerly. The construction of these locks, enabling what was the worst part of the journey to be performed with ease and rapidity, has rendered it necessary to keep up the remainder of the canals to a higher level of efficiency. The items of expenditure are dealt with in paragraph 120 below.

NAVIGATION.

113. The amounts received during the last two years by the Collector of the canals and by the Executive Engineer are shown in the following statement:—

CANALS.	Number of boats and flats.	COLLECTIONS BY COLLECTOR AND SUPERVISOR.						COLLECTIONS BY EXECUTIVE ENGINEER.	GRAND TOTAL, GROSS REVENUE.
		Tolls from boats and rafts.	Damutrage.	Ferry tolls.	Tolls from steamers and flats.	Rents of buildings, lands, and other miscellaneous receipts.	Total.	Rents of buildings, lands, and other miscellaneous receipts.	
1	2	3	4	5	6	7	8	9	10
	No.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Calcutta and Eastern	43,813	3,79,657	5,549	3,870	5,155	7,747	1,08,278	3,085	5,25,343
Tolly's Nahr	65,365	1,11,323	1,108	1,520	...	230	1,13,380		
Total 1891-92	109,178	4,90,980	6,717	5,390	5,155	7,980	5,29,558	3,085	5,25,343
Total 1900-91	157,375	5,02,628	6,632	4,340	5,425	3,499	5,22,974	2,172	5,25,146

The tolls collected from boats and rafts, which are the chief source of revenue, amounted to Rs. 4,96,980 compared with Rs. 5,02,628 in the previous year, showing a decrease of Rs. 5,648.

In Resolution No. 10271., Public Works Department, dated 23rd August 1892, certain modifications, to have effect from 1st April 1893, were introduced into the system of measurement and rates of tolls in force. With the object

of causing the tonnage on which toll is levied to approximate more nearly to the weight of cargo actually carried, the maundage of the boat, as calculated by the rules now in force, will be reduced by one-half, all the rates of toll being at the same time doubled, to avoid loss of revenue; reductions of toll will be made on rice, lime, and firewood, which will be compensated for by the imposition of tolls on boats making return trips. It is not expected that these orders will materially affect the financial position of the canals.

114. The particulars regarding the boats which used the canals during the last two years are given below:—

BOATS.

CANAL.	YEAR.	NUMBER AND CLASS OF BOATS.					
		Up to 100 maunds.	Between 100 and 1,000 maunds.	Between 1,000 and 2,500 maunds.	Between 2,500 and 5,000 maunds.	Over 5,000 maunds.	Total.
1	2	3	4	5	6	7	8
Calcutta and Eastern Canals.	1890-91	35,753	24,632	18,102	2,375	100	81,038
Tolly's Nala	1890-91	17,673	21,109	6,181	70	...	44,933
Total	1890-91	53,426	45,741	24,283	2,445	100	128,744
Calcutta and Eastern Canals.	1891-92	36,117	24,532	20,178	2,802	98	83,747
Tolly's Nala	1891-92	17,331	19,100	6,104	73	...	42,608
Total	1891-92	53,448	43,632	26,282	2,875	98	126,355

The falling off in the number of boats below 1,000 maunds was due to a decrease in the jute traffic, and the greater number of boats from 1,000 to 5,000 maunds to the increased traffic in rice.

Besides the boats enumerated above, a number of small boats and dinghies enter Tolly's Nala from the Kourapukhur khal, paying toll at Russa. These boats are not classified. Their number was 23,244 against 28,680 in 1890-91.

115. The figures showing the tonnage of the boats by canal measurement and the estimated weight and value of the cargoes are shown below separately for the Calcutta Canals and Tolly's Nala, and compared with the returns of the preceding year:—

TRAFFIC.

	Number of boats.	Tonnage of boats by canal measurement.	Weight of cargo carried.	Value of cargo carried.	Tollage including demurrage.	Percentage of toll on value of cargo.
1	2	3	4	5	6	7
1890-91 ... { Calcutta Canals	No.	Tons.	Tons.	Rs.	Rs.	
	84,038	1,818,350	635,798	4,57,67,347	3,04,474	
	Tolly's Nala ...	792,550	258,639	1,61,69,157	1,20,271	
Total	157,454	2,610,900	894,435	6,19,26,504	5,14,745	0.83
1891-92 .. { Calcutta Canals	83,717	1,872,508	639,822	5,57,09,888	3,96,613	
	Tolly's Nala ...	692,744	212,011	1,66,91,127	1,12,240	
Total	149,599	2,565,252	851,833	7,14,01,015	5,08,853	0.71

It may be remarked that although the total weight of cargo carried is less by 42,602 tons than during 1890-91, the higher rates prevailing, especially in rice and jute, have swelled the total value by Rs. 95,34,511. The average value per ton was Rs. 83, against Rs. 69 in the previous year.

116. The improvement in the toll system, shown by the reduction of the number of missing tickets, was maintained during the year under review. The following are the figures for the last ten years:—

MISSING TICKETS.

YEAR.	No.	YEAR.	No.
1882-83	5,459	1887-88	677
1883-84	3,086	1888-89	329
1884-85	1,401	1889-90	238
1885-86	653	1890-91	212
1886-87	542	1891-92	210



REVENUE  
ESTABLISH-  
MENT.

117. The cost of the revenue establishment employed on toll collections for the last five years is shown below:—

PARTICULARS.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
Salary and commission of Supervisor ...	12,651	12,972	11,053	11,475	11,803
Salary of Canal Inspector ...	5,435	4,034	3,900	5,172	5,016
Supervisor's office establishment ...	5,414	5,183	5,143	5,155	5,424
Canal police ...	2,022	2,069	2,050	2,061	2,449
Supervisor's steam-launch establishment ...	942	944	735	98	...
Inspector's and chālān boat establishment ...	1,123	1,112	1,138	1,040	1,036
Dhappa water establishment ...	180	180	173	168	163
Dafadar ...	40*	...	...	271	430
Travelling allowance ...	65	11	39	22	71
Contingencies ...	1,338	1,401	1,627	1,261	3,125
Toll-station establishment ...	9,719†	9,787†	10,444†	11,478†	12,127†
Total cost of establishment ...	38,920	37,684	36,281	38,210	41,359

\* Canal dues.

† Includes salary of daroghas, clerks, cashiers, kootnāwās, koyals, toll peons, and dinghies with crew.

The cost of the establishment exceeded that of 1890-91 by Rs. 3,149. The greatest increase was under contingencies, owing to the payment of law charges in the Balliaghatta godown case, and smaller increases occurred in office and toll station establishments on account of increments of salary falling due within the year, and in dafadars, owing to these men having been employed for the whole year, instead of only half, as in 1890-91.

MISCELLANEOUS  
RECEIPTS.

118. The following is a detailed statement of miscellaneous receipts realized by the Executive Engineer and the Supervisor of the Calcutta Canals during the year as compared with those of the previous year:—

	1890-91.	1891-92.
	Rs.	Rs.
Plantations ...	35	...
Other canal produce ...	202	155
Rents of buildings ...	1,597	5,618
" of land ...	711	843
Miscellaneous other receipts*	3,338	3,602
Total ...	5,883	10,218

\* Includes fishery rent and sale proceeds of canal silt.

The increase of Rs. 4,335 was due to arrears of rent having been realized from Mr. Cohen for the Balliaghatta godowns.

EXTENSIONS  
AND IMPROVE-  
MENTS.

119. Under extensions and improvements Rs. 35,386 was spent on the erection of the new iron girder bridge over Tolly's Nala, which was completed during the year under review. As stated in last year's report, the total estimated cost of this work was Rs. 85,560, of which Rs. 30,000 has been contributed by the Corporation of Calcutta.

MAINTENANCE  
AND REPAIRS.

120. The cost of maintenance of the canal by sub-heads as compared with that of the previous year is given below:—

CANALS.	Locks.	Masonry bridge.	Roads.	Buildings.	Plantations.	Dredging.	Channel and locks.	Towpath.	Frustic bridges.	Steam launches.	Miscellaneous.	Drainage.	TOTAL.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Calcutta Canals, 1891-92 ...	12,039	4,116	16,264	2,194	513	16,809	367	1,111	399	3,703	14,963	1,297	73,908
Ditto, 1890-91 ...	11,562	4,079	15,851	936	526	12,260	320	1,321	340	5,439	9,828	284	61,326
Tolly's Nala, 1891-92 ...	...	4,712	218	621	...	...	1,620	375	179	...	236	...	7,951
Ditto, 1890-91 ...	...	3,615	409	...	...	...	498	394	185	...	210	...	5,315
Steamer route, 1891-92 ...	...	...	...	...	...	...	...	...	...	...	1,920	...	1,920
Ditto, 1890-91 ...	...	...	...	...	...	...	...	...	...	...	2,269	...	2,269
Eastern Canals, 1891-92 ...	...	...	...	2,779	736	7,249	37,956	15,754	26,672	...	4,292	...	85,778
Ditto, 1890-91 ...	...	...	...	2,004	4,532	...	21,712	21,633	20,339	...	5,515	...	78,082
Total, 1891-92 ...	12,039	8,828	16,182	5,591	1,249	24,118	39,973	17,213	26,620	3,703	21,311	1,297	1,72,457
Total 1890-91 ...	11,562	7,721	16,251	3,516	5,058	12,260	25,530	22,748	21,054	5,000	17,822	284	1,49,872

The expenditure exceeded that of the previous year by Rs. 22,585, which is accounted for by the increased cost of dredging incurred in the Calcutta Canal and the Eastern Canal, and of repairs to "Channel and banks" due to the removal of a char at Russa on Tolly's Nala, and to the clearing of silt from the Assasuni khal and levelling the spoil bank of the Bhangor khal on the Eastern Canal. A more detailed explanation is given below:—

*Calcutta Canals.*—Extraordinary expenditure was incurred under "locks" on the work, begun last year, of dewatering, examining, and repairing the lock gates at Chitpur and Dhappa and clearing the lock basins of silt. More work was done on "roads" than in the previous year, and the large increase on "buildings" was caused by the raising of municipal taxes, owing to the amalgamation of the Suburbs with the Calcutta Municipality.

The increased cost of dredging was caused by working the dredgers for a longer period than in the preceding year. Under "miscellaneous" and "drainage" expenditure was augmented by the construction of a latrine for use of the floating population of the canals, and special repairs to the inlet sluice at Chitpur.

*Tolly's Nala.*—Petty repairs to bridges, over and above those customary, and the removal of a char at Russa, account for the increased expenditure on this portion of the canals.

*Eastern Canal.*—The expenditure on plantations was, in 1890-91, abnormal, owing to the institution of a new plantation, whereas this year only maintenance charges were incurred. The work done in dredging the Eastern Canal route was this year shown separately in the accounts, instead of, as heretofore, being charged against the Calcutta Canals. The increase under this head is, therefore, so far as the Eastern Canal is concerned, only apparent. Clearing silt from the Assasuni khal and levelling the spoil bank on the Bhangor khal raised the charges under "channel and banks." The Superintending Engineer remarks:—

"The necessity for the removal of the silt taken from the bed in the Eastern channels and deposited on the banks is a yearly increasing charge which cannot be avoided, on account of the large accumulation, and will be further increased by the cost of land which it will be necessary to acquire for its deposit."

121. The following statement shows the quantity of silt dredged, and the expenditure incurred, and the rate per 1,000 cubic feet during the year, including the cost of delivering the mud:—

DREDGING AND  
SILT CLEAR-  
ANCE.

	Quantity dredged.	Cost	Rate per 1,000 cubic feet.
1	2	3	4
	C. feet.	Rs.	Rs. A. P.
Steam dredger <i>Victoria</i> ...	1,514,700	13,659	9 0 3
Fouracres' dredger ...	269,900	2,691	9 15 6
Marchant's dredger ...	330,600	3,235	9 12 6
Hydraulic dredger <i>Clinker</i> ...	588,000	2,854	4 13 7

Omitting the cost of delivering the mud, the rates of dredging proper, exclusive of the cost of repairs and of interest on original cost, were per 1,000 cubic feet—

		Rs. A. P.
Steam dredger <i>Victoria</i> ...	...	3 9 6
Fouracres' dredger ...	...	4 6 6
Marchant's dredger ...	...	0 9 9
Hydraulic dredger <i>Clinker</i> ...	...	1 15 2

The rates of working were in every case lower than last year.

The Superintending Engineer remarks:—

"The necessity for dredging operations is more marked every year, and constant clearance of bars is required as well as silt clearance by hand of such channels as the Bhangor khal."

PLANTATIONS,

122. The state of the plantations for the last two years is shown below:—

YEAR.	Trees over 12 feet.	Saplings from 4 to 12 feet.	Seedlings below 4 feet.	Total.
1	2	3	4	5
1890-91 ...	No. 2,203	No. 1,382	No. 1,314	No. 4,904
1891-92 ...	No. 2,307	No. 1,381	No. 1,308	No. 4,996

The cost incurred during the year was Rs. 1,249 against Rs. 5,058 in 1889-90.

FLOODS.

123. *Floods.*—There were no floods during the year in any of the rivers crossed by the Calcutta and Eastern Canals. The highest gauge readings of the river Hooghly at Chitpur, Salt-Water Lake at Dhappa, and river Echamutty at Teetulia are shown in the following statement:—

River.	Locality.	1891-92.		1890-91.		HIGHEST RECORDED.	
		Date.	Reading.	Date.	Reading.	Date.	Reading.
1		3	4	5	6	7	8
Hooghly ... ..	Chitpore ... ..	21st August 1891 ...	17.07	31st August 1890 ...	18.40	(a) 31st August 1890 ...	18.40
Salt-water lake or lake-channel ... ..	Dhappa ... ..	2.4th ditto ...	7.73	1st September 1890 ...	7.73	(b) 1st September 1890 ...	7.73
Echamutty (Bali Bhul) ...	Titula (river gauge) ...	22nd ditto ...	8.40	8th ditto ...	16.40	(c) 18th September 1891 ...	16.43
Ditto ditto ...	Do. (bali gauge) ...	27th September 1891 ...	6.74	Ditto ...	14.15	(c) 8th September 189 ...	14.15

(a) Highest since 1837. (b) Highest since 1862.  
(c) Highest since 1895.

ORISSA COAST CANAL.

CAPITAL ACCOUNT.

124. The Capital and Revenue Accounts of this canal are given below:—

1.—CAPITAL ACCOUNT.

HEADS OF ACCOUNT.				Outlay during 1891-92.	Outlay to end of 1891-92.
1				2	3
DIRECT CHARGES.				Rs.	Rs.
I.—Works ... ..	...	...	...	(—)1,839	32,72,609
II.—Establishment ... ..	...	...	...	(—)467	7,30,377
III.—Tools and plant ... ..	...	...	...	...	2,02,474
IV.—Suspense accounts ... ..	...	...	...	6,246	36,832
Total ... ..				3,940	42,42,292
V.—Less—Receipts on capital account ... ..				...	3,293
Total direct charges ... ..				3,940	42,38,999
INDIRECT CHARGES.					
Capitalized abatement of land revenue ... ..	...	...	...	...	784
Leave and pension allowances ... ..	...	...	...	(—)65	1,02,169
Total indirect charges ... ..				(—)65	1,02,953

The following extract is taken from the Administration Report for the current year:—

"The canal was opened throughout its entire length of 97½ miles. The tank gháts at the locks were finished, and Mr. Bond's house at Balasore, which was purchased last year for the Executive Engineer's office and residence, was thoroughly repaired. Additional accommodation has also been provided in a detached building, which, together with the cost of land and special repairs and alterations sanctioned in Bengal Government No. 5341L, dated 26th March 1891, amounts to Rs. 9,426. The project for a new lock at Jameunda, necessitated by changes in the Subarnarekha river, is under consideration."

## 2.—REVENUE ACCOUNT—(Actuals).

REVENUE  
ACCOUNT.

PARTICULARS.	EXPENDITURE—		PARTICULARS.	RECEIPTS—	
	During 1890-91.	During 1891-92.		During 1890-91.	During 1891-92.
1	2	3	4	5	6
	Rs.	Rs.		Rs.	Rs.
<b>DIRECT CHARGES.</b>					
<i>I.—Maintenance and Repairs.</i>			Water-rates ...	...	...
Maintenance and repairs	42,312	48,598	Navigation ...	64,220	60,051
Establishment, including direction and accounts.	15,452	17,100	Miscellaneous ...	1,410	2,072
Tools and plant ...	9,794	3,464	Total ...	65,630	62,123
Total ...	67,558	69,162	Less—Refunds of revenue ...	44	66
<i>II.—Revenue Management.</i>					
Navigation establishment	6,208	6,134			
Total direct charges ...	73,766	75,296			
<b>INDIRECT CHARGES.</b>					
Capitalized abatement of land revenue ...	...	...			
Leave and pension allowances ...	3,032	3,253			
Total indirect charges...	3,032	3,253			
Total working expenses	76,798	78,549			
Not revenue ...	(—)11,212	(—)16,492			
Total ...	65,586	62,057	Net total receipts	65,586	62,057

The receipts from this canal were injuriously affected by the long closure of the Hidgeleeo Tidal Canal and also by the opening of the Balliaghoo drainage cut, which is in fact a navigable canal leading to the Russulpur river, enabling boats to pass into the river Hooghly without using the canal. The revenue was also possibly unfavourably affected by the grant of free return passes on ranges IVA, IVB, and V of the canal, which was adopted as an experimental measure to popularise the canal route.

FINANCIAL  
RESULTS.

125. The receipts on Revenue account and working expenses of the canal for the last six years are shown in the following statement :—

	1895-96.	1896-97.	1897-98.	1898-99.	1899-90.	1900-91.	1901-92.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
<b>RECEIPTS.</b>							
Water-rates ...	1	(—) 1	.....	.....	61	.....	.....
Navigation ...	13,663	29,587	52,828	65,047	63,724	64,220	60,061
Miscellaneous ..	54	902	1,026	1,381	1,563	1,410	2,072
Total ...	13,718	29,488	53,854	66,428	65,348	65,630	62,133
Less—Refunds of revenue ...	.....	.....	17	251	15	44	66
Net total receipts ...	13,718	29,488	53,837	66,174	65,333	65,586	62,067
<b>WORKING EXPENSES.</b>							
<b>DIRECT CHARGES.</b>							
<i>I.—Maintenance and Repairs.</i>							
Repairs ...	23,155	43,909	53,277	42,006	50,528	42,312	48,598
Establishment, including direction and accounts ...	5,328	10,120	11,289	11,377	926	15,452	17,100
Tools and plant ...	791	3,432	6,743	14,402	10,513	9,794	3,464
Total ...	29,272	57,521	76,309	68,445	61,967	67,558	69,162
<i>II.—Revenue Management</i>							
Navigation establishment ...	609	2,183	4,559	6,123	6,041	6,208	6,134
Total direct charges ...	29,881	59,704	80,868	74,568	68,011	73,766	75,296
<b>INDIRECT CHARGES.</b>							
Capitalised abatement of land revenue ...	.....	.....	.....	.....	.....	.....	.....
Leave and pension allowances ...	831	1,722	2,639	2,450	975	3,032	3,253
Total indirect charges ..	831	1,722	2,639	2,450	975	3,032	3,253
Total working expenses	30,713	61,426	83,507	77,018	68,986	76,798	78,549
Net revenue ...	(—) 16,994	(—) 31,938	(—) 29,670	(—) 10,844	(—) 3,653	(—) 11,212	(—) 16,482

The total direct charges were Rs. 1,536 higher than last year, and Rs. 7,285 in excess of those for 1889-90. The charges in 1889-90 were, however, abnormally low, owing to a very large share of the cost of establishment having been charged to the capital account of remodelling the Hidgellee Tidal Canal.

The cost of repairs is Rs. 6,286 higher than in 1890-91.

The Superintending Engineer writes :—

“The expenditure on works includes the employment of a dredger constantly at Bhaitghur and a gang of coolies working daily between tides at Jamounda buoying the channel, and in order to keep open a channel to the lock, &c.”

126. The traffic on this canal has been prejudicially affected by the frequent closures that have lately occurred on the Hidgellee Tidal Canal, with which it is continuous, and no material increase can be expected until uninterrupted communication is afforded. NAVIGATION.

The receipts on each range of the canal are compared with those of the three previous years below :—

RANGES.			Miles of canal open.	TOLLAGE RECEIPTS.			
				1888-89.	1889-90.	1890-91.	1891-92.
1			2	3	4	5	6
				Rs.	Rs.	Rs.	Rs.
Range III	...	...	36	45,575	37,743	37,731	38,231
Do. IVA	...	...	17	4,110	3,654	4,121	3,067
Do. IVB	...	...	6½	5,729	8,468	7,748	7,441
Do. V	...	...	38	9,596	13,859	14,620	11,312
Total	...	...	97½	65,010	63,724	64,220	60,051

The decrease in receipts has been explained in paragraph 124 above.

127. The traffic on the canal during the year 1891-92, compared with that of the previous year, is shown in the following statement :— TRAFFIC.

	Number of boats.		Tonnage of boats.		Value of cargo.		Tolls.	
	1890-91.	1891-92.	1890-91.	1891-92.	1890-91.	1891-92.	1890-91.	1891-92.
1	2	3	4	5	6	7	8	9
	No.	No.	Tons.	Tons.	Rs.	Rs.	Rs.	Rs.
(Orissa Coast Canal)	13,645		120,527	110,687	27,05,654	22,27,281	64,320	60,061

The construction of feeder roads by the District Boards is in progress, and on their completion an increased amount of traffic will, it is expected, be brought to the southern portions of the canal.

MISCELLANEOUS  
RECEIPTS.

128. The miscellaneous receipts during the last three years are shown below :—

	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.
Plantations ...	...	8	...
Rents of buildings ...	161	285	337
Rents of land ...	220	340	175
Miscellaneous ...	1,182	777	1,560
Total ...	1,563	1,410	2,072

Under "miscellaneous" Rs. 520 was realised from hire of the steam launch *Falcon*, while sales of fisheries and grass show an increase of Rs. 449 from last year.

DREDGING  
AND SILT  
CLEARANCE.

129. Only one dredger, the *Comus*, was employed during the year under review, the work done being, as in 1890-91, the removal of silt accumulated above the Bhaithgar Lock. The quantity dredged, and the cost and rate per 1,000 cubic feet, compared with the year 1890-91, are shown in the following table :—

YEAR.	Names of dredgers.	Quantity dredged.	COST OF—			RATE.		
			Lifting by dredger.	Removing by mud-punts.	Total.	Lifting.	Removing.	Total.
1	2	3	4	5	6	7	8	9
1890-91 ...	<i>Clinker and Comus.</i>	295,399	2,346	746	3,072	7-87	2-52	10-39
1891-92 ...	<i>Comus</i> ...	395,950	2,138	1,406	3,544	5-4	3-5	8-9

Owing to the long distances which dredgers have to be taken for even petty repairs, and to the impossibility of taking them to Calcutta for two-thirds of the year, breakdowns and stoppages are of frequent occurrence, and the work goes on expensively and slowly.

PLANTATIONS.

130. The state of the plantations for the last two years is shown in the following statement :—

YEAR.	Trees over 12 feet in height.	Saplings between 4 and 12 feet.	Seedlings under 4 feet.	Total.
1	2	3	4	5
	No.	No.	No.	No.
1890-91 ...	326	905	2,255	3,486
1891-92 ...	495	1,110	2,357	3,962

131. There were no heavy floods in any of the rivers crossed by the Orissa Coast Canal and no appreciable damage done. The highest gauge-readings of the rivers are shown in the following statement:—

FLOODS.

NAME OF RIVER.	Locality.	1890-91.		1891-92.		HIGHEST RECORDED READING.		REMARKS.
		Date.	Reading.	Date.	Reading.	Date.	Reading.	
1	2	3	4	5	6	7	8	9
Subarnarekha	Bhograi ...	27th September 1890	113'80	14th August 1891 ...	116'00	Date of record not obtainable from rec-ords.	121'	Height recorded on plans of flood, but dates not given.
Panchpara	Panchpara ...	27th " "	114'70	14th " " "	112'50	Ditto ...	118'00	
Burhaballong	Nulcool ...	30th " "	110'80	24th September 1891	115'70	Ditto ...	118'00	
Mutia	Charhattia ...	28th " "	110'10	23rd " " "	110'30	Ditto ...	116'5	

## SARAN CANALS.

132. The Capital and Revenue Accounts of these canals are given below:—

## 1.—CAPITAL ACCOUNT.

CAPITAL ACCOUNT.

HEADS OF ACCOUNT.		Outlay during 1891-92.	Outlay to end of 1891-92.
1		2	3
DIRECT CHARGES.		Rs.	Rs.
I.—Works ...	...	...	4,79,946
II.—Establishment ...	...	...	1,64,170
III.—Tools and plant ...	...	...	25,952
Total	...	...	6,70,068
V.—Less—Receipts on Capital Account	...	...	498
Total direct charges	...	...	6,69,570
INDIRECT CHARGES.			
Capitalized abatement of land revenue ...	...	...	97
Leave and pension allowances ...	...	...	27,086
Total indirect charges	...	...	27,183

The Capital Account has been closed.

## 2.—REVENUE ACCOUNT—(Actuals).

REVENUE ACCOUNT

PARTICULARS.	EXPENDITURE—		PARTICULARS.	RECEIPTS—	
	During 1890-91.	During 1891-92.		During 1890-91.	During 1891-92.
1	2	3	4	5	6
DIRECT CHARGES.	Rs.	Rs.		Rs.	Rs.
Maintenance and repairs.	26,454	9,021	Water-rates ...	36,823	15,785
Establishment ...	10,560	3,710	Navigation ...	...	...
Tools and plant ...	389	(-) 193	Miscellaneous ...	160	46
Total direct charges ...	37,403	12,538	Total ...	36,983	15,831
INDIRECT CHARGES.			Less—Refunds of revenue.	...	...
Capitalized abatement of land revenue.	...	...			
Leave and pension allowances.	1,478	519			
Total indirect charges	1,478	519			
Total working expenses	38,881	13,057			
Net revenue ...	(-) 1,898	2,774			
Total ...	36,983	15,831	Net total receipts	36,983	15,831



FINANCIAL  
RESULTS.

133. The receipts on Revenue Account and working expenses of the Saran Canals for the last ten years are shown in the following statement:—

	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6	7	8	9	10	11
<b>RECEIPTS.</b>										
Water-rates ... ..	Rs. 16,298	Rs. 22,067	Rs. 8,397	Rs. 30,787	Rs. 11,072	Rs. 31,070	Rs. 20,415	Rs. 22,000	Rs. 30,623	Rs. 16,785
Navigation ... ..	19	13	1	...	...	...	...	123	...	...
Miscellaneous ... ..	1,740	971	943	1,400	1,356	(-) 405	300	...	180	40
Total ... ..	18,057	23,041	9,341	41,187	12,427	30,065	20,814	23,113	30,803	16,831
Less—Refunds of revenue ... ..	...	...	...	...	...	...	...	...	...	...
Net total receipts ... ..	18,057	23,041	9,341	41,187	12,427	30,065	20,814	23,113	30,803	16,831
<b>WORKING EXPENSES</b>										
<i>Direct charges.</i>										
Maintenance and repairs ... ..	29,828	20,630	19,803	18,014	23,401	18,601	23,076	24,000	20,424	9,021
Establishment ... ..	6,800	4,751	4,600	4,144	5,400	9,110	10,348	12,422	10,500	3,710
Tools and plant ... ..	(-) 3,080	(-) 2,000	371	563	(-) 978	400	673	801	380	(-) 183
Total direct charges ... ..	33,548	23,401	24,803	22,751	27,903	28,100	34,097	36,313	31,404	12,548
<i>Indirect charges.</i>										
Capitalization of abatement of land revenue ... ..	...	...	...	...	...	...	...	...	...	...
Leave and pension allowances ... ..	1,340	606	643	580	750	1,377	1,435	1,730	1,478	510
Total indirect charges ... ..	1,340	606	643	580	750	1,377	1,435	1,730	1,478	510
Total working expenses ... ..	34,888	24,007	25,446	23,331	28,653	29,507	35,532	38,043	32,882	13,057
Net revenue ... ..	(-) 16,821	(-) 1,025	(-) 16,232	17,912	(-) 16,226	(-) 8,792	(-) 16,618	(-) 16,030	(-) 1,808	2,774

LENGTH OF  
CANALS OPEN  
AND AREAS  
COMMANDED  
AND  
IRRIGATED.

134. The lengths of canal and distributaries in operation at the close of the year 1891-92, compared with 1890-91, are given in the following table:—

NAME OF CANAL	1891-92.								1890-91.							
	Navigable canals.	Canals for irrigation only.	Distributaries and village channels.	Area protected from flood.	Area under command.	Area provided with distributaries.	Area irrigated.	Percentage of area irrigated to area provided with distributaries.	Navigable canals.	Canals for irrigation only.	Distributaries and village channels.	Area protected from flood.	Area under command.	Area provided with distributaries.	Area irrigated.	Percentage of area irrigated to area provided with distributaries.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<i>Saran Canals.</i>																
Main canal or head cut	Miles.	6'34								6'34						
<i>Branch Canals.</i>																
I.—Daha feeder ... ..	3'34	...	...	65,000	5,000	...	...	...	3'34	...	...	64,000	...	2,200	...	...
II.—Gumaki ... ..	1'57	...	...	...	...	...	...	...	1'57	...	...	...	...	...	...	...
III.—Dhama ... ..	1'00	...	...	...	...	...	...	...	1'00	...	...	...	...	...	...	...
IV.—Gungri ... ..	6'57	...	...	...	...	...	...	...	6'57	...	...	...	...	...	...	...
In addition to the above, the following are maintained:—																
I.—Thakrala Sota ... ..	1'50	...	...	...	...	...	...	...	1'50	...	...	...	...	...	...	...
II.—Roojan Chap Sota ... ..	27'00	...	...	...	...	...	...	...	27'00	...	...	...	...	...	...	...

The lengths are the same as last year. There are no distributaries or village channels maintained by Government, but an aggregate length of about 33 miles of cuts and channels have been constructed and maintained by the Manager of the Moniara estate.

Fifteen permanent dams and regulators exist in the branch canals, and seven bunds were constructed during the year to regulate the supply of water to the several canals.

135. The average rainfall on the area under command is shown by seasons in the table below for the last three years:—

	1889-90.	1890-91.	1891-92.
	Inches.	Inches.	Inches.
Kharif season* ... ..	19 47	24 60	11 52
Rabi ... ..	1 20	1 43	0 61
Year ... ..	45 09	58 63	35 05

\* August, September, and October.

The Superintending Engineer writes:—

“In the early portion of the year the rainfall was excessive, but towards the latter end of the rains was very scanty. There was consequently a large demand for water for irrigation all over the district.”

136. There were no high floods in the river Gandak during the year under review, but the river remained from June to August at a higher level than usual.

FLOODS.

137. The areas irrigated, as obtained from the Canal Manager's reports during the past ten years, together with the rainfall, are given in the table below:—

YEAR.	Kharif.	Rabi.	Perennial.	Total.	Rainfall.
1	2	3	4	5	6
	Acres.	Acres.	Acres.	Acres.	Inches.
1881-82	...	} Not known {	...	666	43.50
1882-83	...		...	1,747	40.89
1883-84	...		...	21,122	26.32
1884-85	1,917		5,306	7,223	35.42
1885-86	888	3,677	...	4,565	39.27
1886-87	566	1,580	...	2,146	60.96
1887-88	1,699	2,519	...	4,218	39.63
1888-89	3,897	3,316	...	7,213	42.39
1889-90	2,684	1,531	...	4,215	45.09
1890-91	990	1,236	...	2,226	58.63
1891-92	3,425	2,540	...	5,965	35.05

138. The duty of water cannot be calculated, as there is no regular irrigation, and the canals are drainage as well as irrigation channels.

DUTY OF WATER.

These canals were originally constructed for the purpose of supplying water for indigo manufacture on a guarantee given by the indigo concerns interested of a revenue amounting to Rs. 21,500 per annum. The guarantee was for ten years, and expired on the 1st of April 1891. The working expenses materially exceeding the revenue, and the proprietors interested being unable to come to an agreement to increase the guarantee, it was proposed as the only practical alternative to close the canals. The proprietors of the Moniara and Suddowa concerns, who had expended large amounts on village channels and other works, represented the hardship this course would cause to them, and offered to maintain the inner channels themselves and to pay the cost of maintaining the head works up to a limit of Rs. 11,000 year, Government as their share of keeping up the canals, which would be of use in case of famine, paying establishment charges. The offer was accepted as a year-to-year agreement, and it is on this basis the canals are now being worked.

139. The following comparative statement shows the balances, assessments, and recoveries of water-rates for the last ten years:—

ASSESSMENTS, COLLECTIONS, AND BALANCES.

YEAR.	Amount outstanding at commencement of year.	Amount falling due during the year.	Total for recovery.	Cash realization.	Remitted or written off.	Balance at the end of the year.
1	2	3	4	5	6	7
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1881-82	...	23,000 0 0	22,610 0 3	5,874 12 0	...	16,734 13 3
1882-83	16,734 13 3	21,750 0 0	38,514 13 3	10,500 0 0	...	28,014 13 3
1883-84	22,084 12 0	21,750 0 0	43,784 12 0	22,060 10 5	...	21,724 11 5
1884-85	30,820 2 6	21,750 0 0	52,570 2 6	8,070 11 3	...	44,500 1 3
1885-86	53,002 7 3	21,750 0 0	55,352 7 3	30,718 9 3	2,770 13 4	24,634 8 0
1886-87	13,903 0 8	21,750 0 0	35,613 0 8	11,072 10 5	...	24,541 0 3
1887-88	23,640 6 3	21,850 0 0	45,490 6 3	21,069 9 0	...	24,421 7 3
1888-89	34,350 13 3	21,850 0 0	56,200 13 3	20,915 0 0	...	35,285 13 3
1889-90	28,783 13 3	21,850 0 0	50,633 13 3	22,000 0 3	1,250 0 0	29,383 13 0
1890-91	23,305 13 0	21,850 0 0	45,155 13 0	37,036 2 0	...	8,119 11 0
1891-92	8,179 10 3	11,000 0 0	19,179 10 3	16,785 8 4	231 4 6	3,163 13 3
Total	...	2,39,100 0 0	1,50,500 5 8	2,32,185 0 9	4,252 1 10	3,163 13 3

The outstanding balance has considerably decreased, and there now only remains a sum of Rs. 3,163 to be recovered.

MAINTENANCE  
AND REPAIRS.

140. The following table shows the expenditure on maintenance during the past three years:—

	Miles.	1889-90.	1890-91.	1891-92.
1	2	3	4	5
		Rs.	Rs.	Rs.
Repairs to head cut and river protective works ... ..	6·34	10,026	7,445	4,304
Repairs to Daha feeder ...	3·34	909	1,290	357
„ to Gandaki feeder ...	1·57	1,118	1,735	221
„ to Dhanai feeder ...	1·00	722	592	65
„ to Gangri feeder ...	6·57	768	2,777	129
„ to dams and channels for irrigation purposes ... ..	...	11,357	12,615	3,945
Total ... ..	...	24,900	26,454	9,021
Establishment ... ..	...	12,422	10,560	3,710
Tools and plant (actual) ... ..	...	991	389	(—)193
GRAND TOTAL ... ..	...	38,313	37,403	12,538

The marked reduction in the cost of maintenance is mainly due to the fact that under the new agreement with Mr. Reid of the Moniara concern, Government only maintains the head cut and Daha feeder and that portion of the Rupan Chap Sota above Siswa. Economies were also effected by not repairing many spurs not now required, by reducing the width of bunds, and by reducing excessive rates for work.

DREDGING AND  
SILT CLEAR-  
ANCE.

141. There are no dredgers on the canals, and the silt is removed by hand only.

The following statement shows the total quantity of silt removed from the canals and the cost during the year as compared with those in the two previous years:—

	1889-90.		1890-91.		1891-92.	
1	2	3	4	5	6	7
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Head cut or main canal...	102,121	612	342,745	1,740	44,465	244
Feeders or branch canals	448,006	1,650	1,339,675	4,080	24,755	95
Thakaraha Sota mouth ...	525,474	2,149	549,781	2,077	594,957	1,785
Total ... ..	1,075,601	4,411	2,232,201	7,897	664,177	2,124

142. The state of the plantations for the last two years is shown below:— PLANTATIONS.

YEAR.	Trees over 12 feet.	Saplings between 4 and 12 feet.	Seedlings under 4 feet.	Total.
1	2	3	4	5
	No.	No.	No.	No.
1890-91 ...	5,475	2,837	3,695	12,007
1891-92 ...	2,642	2,979	3,993	9,614

## NADIA RIVERS.

143. The approximate length of the channels comprising the Nadia rivers' system is 477 miles. No capital account of expenditure is kept. The revenue account for the last two years is given below:—

REVENUE  
ACCOUNT.

PARTICULARS.	EXPENDITURE.		PARTICULARS.	RECEIPTS.	
	During 1890-91.	During 1891-92.		During 1890-91.	During 1891-92.
1	2	3	4	5	6
<b>DIRECT CHARGES.</b>	Rs.	Rs.		Rs.	Rs.
<i>I.—Maintenance and Repairs.</i>					
Maintenance and Repairs ...	52,482	62,704	Navigation ...	2,00,508	1,92,718
Establishment, including direction and accounts ...	21,780	22,704	Miscellaneous ...	136	247
Tools and plant ...	2,476	1,330	Total ...	2,00,644	1,92,965
Suspense accounts ...	3,169	(-) 3,015	<i>Less—Refunds of revenue ...</i>	162	228
Total ...	79,907	83,723			
<i>II.—Revenue Management.</i>					
Navigation establishment ...	23,630	23,134			
Total direct charges ...	1,03,537	1,06,857			
<b>INDIRECT CHARGES.</b>					
Leave and pension allowances ...	6,357	6,417			
Total indirect charges...	6,357	6,417			
Total working expenses	1,09,894	1,13,274			
Profit ...	90,588	79,461			
Total ...	2,00,482	1,92,737	Net total receipts	2,00,482	1,92,787

FINANCIAL  
RESULTS.

144. The receipts on revenue account and working expenses for the last ten years are shown below :—

	1881-82.	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6	7	8	9	10	11	12
RECEIPTS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Navigation ... ..	2,10,040	1,82,351	2,00,008	1,91,081	1,83,383	2,02,707	1,98,318	1,91,791	1,95,083	2,00,508	1,92,718
Miscellaneous ... ..	1,170	616	1,925	470	300	543	357	97	90	130	247
Total ... ..	2,11,210	1,82,967	2,02,934	1,91,551	1,83,781	2,03,250	1,98,675	1,91,888	1,95,043	2,00,644	1,92,965
Less: Refunds of revenue ... ..	...	...	...	...	...	...	...	...	220	102	228
Total receipts ... ..	2,11,210	1,82,967	2,02,934	1,91,551	1,83,781	2,03,250	1,98,675	1,91,888	1,95,023	2,00,482	1,92,737
WORKING EXPENSES.											
Direct Charges.											
Works (extensions and im- provements) ... ..	10,330	5,053	1,031	30	43,084	20,051	44,201	55,033	47,843	32,492	62,704
Maintenance and repairs ... ..	71,863	55,159	82,513	60,700	51,563	29,333	41,023	43,305	37,337	45,110	45,838
Establishment ... ..	53,320	32,910	40,330	34,745	31,563	29,333	41,023	43,305	37,337	45,110	45,838
Tools and plant ... ..	1,32,196	23,099	(- ) 1,602	1,741	1,759	1,400	5,803	2,340	2,250	2,474	1,380
Suspense accounts ... ..	(- ) 13,412	(- ) 1,557	2,807	(- ) 1,550	1,292	450	(- ) 1,007	(- ) 14	(- ) 1,030	3,109	(- ) 13,015
Total direct charges ... ..	2,67,918	1,16,674	1,25,275	98,776	77,608	60,313	92,022	1,34,604	87,504	1,01,537	1,06,857
Indirect Charges.											
Leave and pension allowances ... ..	7,465	4,007	5,647	4,867	4,319	4,101	5,870	6,075	5,305	6,357	6,417
Total indirect charges ... ..	7,465	4,007	5,647	4,867	4,319	4,101	5,870	6,075	5,305	6,357	6,417
Total working expenses ... ..	2,75,383	1,20,681	1,30,922	1,03,643	81,927	64,414	97,892	1,40,679	92,809	1,07,894	1,13,274
Net revenue ... ..	(- ) 64,173	61,686	71,912	82,811	1,01,854	1,38,936	1,00,783	51,110	92,214	92,588	79,463

The decrease in receipts amounting to Rs. 7,745 was a consequence mainly of the low level of the river Ganges, which caused the heads of the rivers to silt up. The Bhagirathi was impassable in the upper reaches, steamers were unable to ply on the Matabhanga, and the other rivers were also affected. Not only were the receipts thus affected, but the expenditure incurred on training works was increased, the net result for the year being a decrease of Rs. 11,125 in the net profit. The traffic was also, to some extent, prejudicially affected by the general dulness of trade and bad harvests.

The expenditure on the Nadia Rivers is mainly on training works, to keep open the navigation channels and entrances of the rivers, so that the cost of maintenance depends to a large extent on the condition of the channels. For instance, the expenditure was abnormally low in 1889-90, because it was found impracticable to keep open the lower intake of the Bhagirathi, and hence no training works were constructed in the upper portions of that river.

RAINFALL  
AND FLOODS.

145. No rainfall register is kept up for these rivers. There were no floods during the year, and the river Ganges was exceptionally low even in the flood season. The gauge readings at Gheria and Berhampore for the last three years are given below :—

	GHERIA.	BERHAMPORE.
1889	... 34'00"	... 30'41"
1890	... 34'70"	... 30'11½"
1891	... 29'30"	... 26'7"

A statement showing the highest gauge readings of the Nadia rivers is given below as compared with those of the previous year :—

River.	Locality.	1891-92.		1890-91.		Highest known.	
		Date.	Reading.	Date.	Reading.	Date.	Reading.
1	2	3	4	5	6	7	8
Bhagirathi ...	Berhampore	29th Aug. 1891	60'33	15th Aug. 1890	61'73	15th Aug. 1890	64'73
Jellinghee ...	Surugganj	25th " "	20'38	29th " "	34'83	29th " "	34'88
Matabhanga ...	Hauskhali	30th " "	31'85	3rd Sept. "	39'93	3rd Sept. "	39'93

146. The number of boats of each class and toll collections by the Collectors are shown below:—

NAVIGATION.

NAME OF RIVER.	NUMBER AND CLASS OF BOATS.						COLLECTIONS BY TOLL COLLECTORS.					
	Up to 100 maunds.	Between 100 and 1,000 maunds.	Between 1,000 and 2,500 maunds.	Between 2,500 and 5,000 maunds.	Over 5,000 maunds.	Total.	Tolls from boats.	Tolls from rafts.	Tolls from steamers and flats.	Total tolls.	Miscellaneous receipts.	Total collections.
1	2	3	4	5	6	7	8	9	10	11	12	13
Bhagirathi ... ..	No. 6,416	No. 4,371	No. 167	No. 300	No. 0	No. 12,090	Rs. 34,078	Rs. 4,653	Rs. 253	Rs. 38,983	Rs. 247	Rs. 1,92,063
Ditto and Bhyrub-Jellinghee ... ..	13,361	18,814	2,716	94	...	34,985	1,07,416	15,233	1,201	1,23,910	...	...
Matabhanga ... ..	5,540	6,698	518	51	1	13,808	20,728	13	84	21,835	...	...
Total, 1891-92 ...	25,197	29,273	4,321	445	7	69,143	1,71,222	19,896	1,608	1,92,718	247	1,92,965
Total, 1890-91 ...	35,880	28,684	3,083	488	11	68,966	1,70,402	19,336	1,770	2,00,508	196	2,00,614

147. The following statement shows the number of boats, tonnage, weight, and value of cargo and toll collections:—

TRAFFIC.

NADIA RIVERS.	Number of boats, inclusive of steamers, flats and rafts.	Tonnage of boats.	Weight of cargo.	Value of cargo.	Toll collection.	Percentage of toll on value of cargo.
1	2	3	4	5	6	7
Bhagirathi ... ..	No. 12,909	Tons. 193,471	Tons. 93,087	Rs. 65,67,755	Rs. 38,983	...
Ditto and Bhyrub-Jellinghee ... ..	35,140	491,472	209,941	2,07,68,405	1,23,910	...
Matabhanga ... ..	12,758	119,080	49,716	42,69,061	29,835	...
Total, 1891-92 ...	60,167	804,623	352,744	3,76,06,221	1,92,718	0.53
Total, 1890-91 ...	64,838	899,210	380,093	3,99,38,210	2,00,508	0.50

148. The cost of the revenue establishment for the last five years is shown below:—

REVENUE ESTABLISHMENT.

	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
1	2	3	4	5	6
Salary and commission of Collectors ... ..	Rs. 12,217	Rs. 12,671	Rs. 11,943	Rs. 13,224	Rs. 13,210
Accounts and office establishment ... ..	9,030	9,397	8,986	9,223	8,942
Travelling allowance ... ..	479	463	390	711	530
Contingencies ... ..	450	475	441	472	452
Total ... ..	22,176	23,006	21,760	23,630	23,134

The slight decrease compared with the previous year results from the smaller commission earned by toll-collectors, owing to diminished revenue.

MAINTENANCE AND REPAIRS. 149. The charges for maintenance and repairs for the last two years are detailed below :—

PARTICULARS.	1890-91.	1891-92.
1	2	3
	Rs.	Rs.
Re-opening lower entrance channel, Bhagirathi river ...	1,422	1,290
Inspection shed, upper entrance... ..	...	496
Training works in river Bhagirathi ...	31,438	40,413
"    "    Bhyrub ...	2,313	2,593
"    "    Jellinghee ...	1,695	1,960
"    "    Matabhanga ...	1,641	1,415
Sounding Nadia Rivers ...	5,921	6,015
Maintaining and working divisional boats ...	2,862	3,102
Petty and other charges ...	5,190	5,420
Total ...	52,482	62,704

The total expenditure during the year shows an increase of Rs. 10,222 caused by extra expenditure on training works to keep open the river entrances and channels, as explained in paragraph 144 above.

MISCELLANEOUS RECEIPTS. 150. The miscellaneous receipts during the year amounted to Rs. 247, against Rs. 136 in the previous year.

DREDGING AND SILT CLEARANCE. 151. There was no expenditure under this head during the year.

PLANTATIONS. 152. There are no plantations on the banks of the rivers. Bamboos were planted on the berm of the Bhagirathi embankment in 1890-91, but the result was not very successful. Another trial will be made in 1892-93. The number of trees existing during the year was 17,004.

#### EDEN CANAL.

REVENUE ACCOUNT. 153. The purpose for which this canal was originally constructed was, as stated in the last year's report, mainly to supply drinking-water. The receipts and expenditure for the last two years are given below :—

RECEIPTS.	1890-91.	1891-92.	EXPENDITURE.	1890-91.	1891-92.
1	2	3	4	5	6
	Rs.	Rs.		Rs.	Rs.
Water-rates ...	2,795	9,430	Works ...	584	4
Miscellaneous ...	802	728	Maintenance and repairs	24,612	18,623
Total ...	3,597	10,158	Establishment ...	8,915	6,541
			Tools and plant	684	495
Less—Refunds of revenue	...	39	Total expenditure ...	34,795	25,663
Net total receipts ...	3,597	10,119	Balance, deficit ...	31,198	15,544

The receipts from water-rates were Rs. 6,635 greater than last year, and Rs. 927 in excess of those of 1889-90, owing to the extensive irrigation resulting from the failure of the rainfall in October, while the expenditure was Rs. 9,132 less than that of the previous year, the decrease taking place in all items. The net result of the year was a reduction in the deficit balance from Rs. 31,198 to Rs. 15,544.

The works carried out consisted of the construction of a sand dam across the Damodar at Jógúti, to keep up the cold weather supply of the canal, and the excavation of silt from the various channels connected with the canal.

The supply of water to the Burdwan water-works was efficiently maintained.

154. The canal was not originally intended for irrigation purposes, but it has through the force of circumstances been used to supply water to save crops, and, the benefits received being appreciated, water is now regularly supplied. Under the system in force payment is made in advance at the rate of four annas a bigha for the approximate area of rice in a village. At the end of the season the area actually irrigated is measured, and any excess payment returned to the villagers or left to their credit for the next year. For areas irrigated in excess of payments, demand notices are issued. The area irrigated during the past three years has been as follows:—

Nature of leases.	1889-90.	1890-91.	1891-92.
1	2	3	4
	Acres.	Acres.	Acres.
Annual ...	9,693	1,330	1,478
Five-year ...	...	...	12,707
Total ...	9,693	1,330	14,185

This increase in five-year leases will be noticed with satisfaction.

The Superintending Engineer writes:—

“The bulk of the irrigation was carried out from October to the middle of November 1891, when there was no rainfall. Had the cultivators come forward a little earlier, the result of the year's operations would have been much more satisfactory and the irrigated area larger. A large number of applications for water had to be refused for want of sufficient supply in the canal.”

The Superintending Engineer reports that the total demand for water-rates in the year under review was Rs. 10,738, of which Rs. 9,256 were actually realized during the year.

The outturn of crops on the irrigated area was exceedingly good, whereas the crops on the unirrigated lands failed.

155. The cost of establishment employed on irrigation was Rs. 967, against Rs. 147 in 1890-91, the increase being due to the larger area under irrigation.

REVENUE  
ESTABLISH-  
MENT.

### MADHUBAN CANAL.

156. The expenditure on works and maintenance of this canal during the last three years is given below:—

PARTICULARS.	1889-90.	1890-91.	1891-92.
1	2	3	4
	Rs.	Rs.	Rs.
Works ...	2,957	6,236	...
Maintenance ...	3,257	2,011	7,300
Establishment ...	3,100	3,293	3,003
Tools and plant ...	23	287	203
Total ...	9,337	11,827	10,506

EXPENDITURE.



The floods of 1891 caused fresh damage to the apron of the Teur weir, necessitating another large estimate for its repair. This work has been a source of trouble ever since it was constructed, the floor being incapable of withstanding the sudden floods which are occasioned by the bursting of the irrigation embankments across the river in Nepal. The extra cost of repairs was due to repairs to the floor of the Teur weir.

157. No revenue is derived at present from irrigation in this canal, the raiyats being allowed to irrigate their lands free of cost.

The miscellaneous receipts during the year were Rs. 92, against Rs. 42 in 1891-92.

IRRIGATION.

158. At the latter end of the rains there were many demands for water for rice irrigation, and 2,539 acres of rice land were irrigated. The area irrigated for the last three years is shown by crops below :—

Nature of crop.			1889-90.	1890-91.	1891-92.
1			2	3	4
			Acres.	Acres.	Acres.
Bhadoi	...	...	640	...	...
Kharif	...	...	5,308	...	2,539
Rabi	...	...	240	2	495
Poppy	...	...	1,946	852	552
Total	...	...	9,134	854	3,586

## GENERAL RESULTS.

NET REVENUE

159. The net results of the year 1891-92, compared with those of the previous year, are shown below. The figures are exclusive of refunds of revenue :—

PARTICULARS.			Receipts from all sources (less refunds).	Working expenses (direct and indirect).	Profit or loss.
1			2	3	4
MAJOR IRRIGATION WORKS.			Rs.	Rs.	Rs.
1890-91	...	...	13,39,141	14,32,136	-92,995
1891-92	...	...	15,98,608	14,37,935	+1,60,673
MINOR WORKS AND NAVIGATION.					
<i>For which Capital and Revenue accounts are kept.</i>					
1890-91	...	...	6,27,654	4,39,636	+1,88,018
1891-92	...	...	6,03,107	4,35,005	+1,68,102
<i>For which only Revenue accounts are kept.</i>					
1890-91	...	...	2,00,482	1,09,894	+90,588
1891-92	...	...	1,92,737	1,13,274	+79,463
<i>For which neither Capital nor Revenue accounts are kept.</i>					
1890-91	...	...	3,639	46,622	-42,983
1891-92	...	...	10,211	36,169	-25,958
Total { 1890-91			21,70,916	20,28,288	+1,42,628
{ 1891-92			24,04,663	20,22,383	+3,82,280

Compared with the figures accepted in the revised Budget Estimates, the actual receipts were more by Rs. 1,36,663 and the expenses less by Rs. 59,778.

160. The net result of the Major Irrigation Works reckoned on earnings, that is on the revenue calculated on the water rates due on the area actually irrigated during the year instead of on actual receipts, was, compared with 1890-91:—

EARNINGS.

	Earnings.	Working expenses.	Profit or loss.
	Rs.	Rs.	Rs.
1890-91 ...	13,54,379	14,32,136	— 77,757
1891-92 ...	18,14,485	14,37,935	+ 3,76,550

The expenditure was normal.

The revenue from Minor Works and Navigation is derived mainly from tollage receipts.

161. The progress in the recovery of water-rates during the year is summarised below:—

ARREARS.

CANALS	Outstanding on 1st April 1891.	Demand of 1891-92.	Collected or adjusted.	Outstanding on 1st April 1892.
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
Orissa Canals ...	1,98,364	2,82,880	2,47,540	2,33,704
Midnapore Canal ... ..	64,967	1,29,822	1,35,817	58,972
Sone Canals ... ..	2,08,782	7,29,631	8,26,969	1,11,444
Total ... ..	4,72,113	11,42,333	12,10,326	4,04,120

162. The approximate value of crops irrigated by Major Irrigation Works during the last two years is shown in the following table:—

VALUE OF CROPS.

CANALS.	1890-91.		1891-92.	
	Area irrigated.	Value of crops.	Area irrigated.	Value of crops.
1	2	3	4	5
	Acres.	Rs.	Acres.	Rs.
Orissa Canals ... ..	180,299	39,10,595	177,685	47,87,546
Midnapore Canal ... ..	82,002	18,86,046	83,973	20,99,325
Sone Canals ... ..	281,014	1,08,08,203	474,723	1,44,85,957
Total ... ..	543,315	1,66,04,844	736,381	2,13,72,828

The average value per acre of the various crops irrigated has decreased from Rs. 30·5 to Rs. 29·0.

Two tables are attached as appendices to this note, (I)—showing the number of days spent on tour by each officer of the Irrigation Department, (II) the dates of inspections of the divisional and subdivisional offices by each Superintending Engineer during the year 1891-92.

163. The date fixed for the submission of revenue reports to the office of the Chief Engineer is the 15th September. The dates when the different reports were received are shown below:—

		In 1891.	In 1892.
Orissa Circle	{ Commissioner's report	3rd September	27th September.
	{ Superintending Engineer's report	5th October ..	23rd ditto.
South-Western Circle	{ Commissioner's report	24th September	24th ditto.
	{ Superintending Engineer's report	17th ditto	17th ditto.
Sone Circle	{ Commissioner's report	7th October ...	26th ditto.
	{ Superintending Engineer's report	14th September	15th ditto.

The report from the Superintending Engineer, Sone Circle, was received on the date fixed, and the other reports were practically punctual. The finance and administrative accounts of the year 1891-92, due in the Chief Engineer's office on the 1st August, were received from the Examiner, Public Works Accounts, Bengal, on the 6th and 14th September 1892, respectively, and this is to a large extent the cause of delay in the preparation and submission of the report to the Government of India within the prescribed time, 15th November.

164. The results of the year's working of the canals in Bengal may, I think, be considered satisfactory. Taking major and minor works together there has been a profit of Rs. 3,82,280, against Rs. 1,42,628 in 1890-91, caused entirely by extra receipts, the expenditure continuing stationary, the canals having been kept up in a thoroughly efficient stato. If the major works alone are considered and earnings be taken in place of actual receipts, by which the effect of arrear balances is eliminated, the profit for the year is Rs. 3,76,550, against a loss of Rs. 77,757 in that previous. The outstanding balance has been reduced by Rs. 67,993. The improvements indicated by these figures are the more gratifying from the fact that the accounts of the year now current promise even better results. The province has benefitted by crops covering 736,381 acres, the value of which is estimated at 213 $\frac{3}{4}$  lakhs of rupees, having in a year of scant rainfall been brought to maturity, when in the absence of the canals they would, for the most part, have failed or not have been sown.

165. The circumstances of the year entailed great pressure on the staff, which the facts and figures contained in this note show to have been adequately met. Allusion has been made to specially satisfactory features in the work carried out by Colonel A. D. McArthur, R.E., Superintending Engineer, in the South-Western Circle, by Mr. D. B. Horn, Executive Engineer, in the Brahmini-Baitarni Division, and by Mr. K. H. Stephen, Executive Engineer, in the Buxar Division, as also to the collections made by Babu Siva Sunker Singh in the Patna district, but the work of the Divisional and Subdivisional Canal Officers throughout Bengal and the collecting establishment in the Sone Circle was of a character to merit the commendation of Government.

C. W. ODLING,

*The 31st December 1892.*

*Chief Engineer.*

## APPENDIX I.

Statement showing the number of days spent on duty and on tour by Superintending, Executive and Assistant Engineers and Upper Subordinates of the Irrigation Branch during the year 1891-92.

NAME.	Circle or Division.	NUMBER OF DAYS—		REMARKS.
		On duty.	On tour.	
<i>Superintending Engineers.</i>				
Mr. C. W. Odling	Sone	206	100*	*Does not include 6 days spent in proceeding to Calcutta on duty and back. Officiated as Chief Engineer and Joint-Secretary for one month in April 1891. On deputation for May and June 1891. On special duty from 6th to 20th February 1892. Appointed Chief Engineer and Joint Secretary from 6th March 1892.
Lieut.-Col. A. D. McArthur.	South-Western	306	116	
B.E. " W. A. Inglis	Arrah Do.	160 66	73 13	Officiated as Superintending Engineer for 29 days in addition to his own duties, and tour of this period is shown under that head. On privilege leave from 6th August to 19th October 1891, after which joined Public Works Department Secretariat as Under-Secretary from 21st October 1892 to 29th January 1892. Rejoined Sone Circle on 1st February 1892.
" W. Connan	Orissa	941	147	In charge from 24th April 1891.
<i>Executive Engineers.</i>				
Mr. J. P. Scotland	Cosye	308	160	
" T. M. L. Thompson	Northern Drainage and Embankment	336	172	
" C. E. Livesey	Nadia Rivers	306	182	Was on privilege leave for 61 days.
" T. H. Clowes	Buxar	6	...	In charge of subdivision. Privilege leave for 3 months from 7th April 1891.
	Nadia Rivers	73	45	Joined the Division on 25th July 1891.
	Balasore	177	92	Joined the Division on 20th October 1891.
" G. J. R. Leeson	Circular and Eastern Canals.	366	212	
" A. Hayes	Balasore	86	38	Was on furlough for 290 days.
" A. Monies	Ditto	287	123	On leave for 9 days. On special duty from 13th January to 25th February 1892. Transferred to Madras.
" M. J. J. P. Norman	Buxar	52	28	Returned from furlough and joined Division in December 1891. In charge of subdivision.
	Do.	51	26	In charge from 10th February 1892.
" O. C. Lees	Gandak	366	159	
" K. H. Stephen	Buxar	315	128	On privilege leave from 10th February 1892. Joined the Public Works Department Secretariat from 29th February 1892.
" A. S. Thomson	Eastern Sone	366	178	
" I. R. Fraser	Dehri Workshop	306	71	The greater part of the work of this division is at head-quarters.
" M. H. Arnot	Buxar	13	10	Proceeded on 7 months' furlough on 14th April 1891.
	Brahmin-Byturni	119	84	Joined Division, 4th December 1891.
" D. B. Horn	Ditto	366	162	
" J. R. Swinden	Puri	366	144	
" T. Butler	Mubanddy	366	143	
" J. P. Coy	Akwaspadda-Jajpur.	339	175	Died, 5th March 1892.
" C. A. White	Brahmini-Byturni	366	276	In charge of subdivision.
<i>Assistant Engineers.</i>				
Mr. W. S. Brenner	South-Western	116	2	Attached to Superintending Engineer's office from 1st to 13th April and from 7th August to 30th November 1891.
	Cosye	110	46	Joined the Division on 7th December 1891, and employed at head-quarters till 6th January 1892.
	Nadia Rivers	111	24	
" C. H. DeMello	Cosye	282	135	
	South-Western	13	10	Includes time spent during joining from Panchpara to Calcutta.
	Buxar	62	36	Joined subdivision on 30th January 1892.
Rai Bama Churn Paramanic Bahadur.	Northern Drainage and Embankment.	366	230	
Mr. J. W. Fox	Circular and Eastern Canals.	359	237	On leave for 7 days.

## APPENDIX I.

NAME.	Circle or Division.	NUMBER OF DAYS—		REMARKS.
		On duty.	On tour.	
Rai Kirth Chunder Chowdry Sahib.	Balasore ...	132	67	Transferred from Balasore Division, and left on the afternoon of 10th August 1891. Joined 1st Calcutta Division, 8th February 1892.
Mr. H. E. Pellereau ...	Ditto ...	241	117	Transferred to the Punjab, and left on the afternoon of the 27th November 1891.
„ J. S. L. Long ...	Gandak ...	368	199‡	‡ Including 16 days on which he attended the Divisional office.
„ J. C. Hewitt ...	Buxar ...	328	202	On privilege leave for 23 days in April 1891.
„ P. G. Jacobs ...	Eastern Sone ...	275	205	On leave for 91 days.
„ A. H. C. MacCarthy ...	Arrah ...	366	207	
Rai Sahib Bani Madhub Mitra.	Buxar ...	355	249	Was in charge of subdivision from 1st April 1891 to 20th March 1892. Transferred to Arrah Division.
Mr. H. Barlow ...	Mahanuddy ...	366	296	In charge of subdivision.
Rai Sahib Cally Podo Sen ...	Acquapadda-Jajpur.	366	161	In charge of subdivision, and in charge of division from 6th March 1892.
„ Annoda Prosad Sircar.	Brahmini-Byturni and Acquapadda-Jajpur Division.	366	185	In charge of subdivision.
„ Narendro Nath Mookerjee.	Brahmini-Byturni and Mahanuddy	366	282	On survey duty.
Mr. G. L. Searight ...	Mahanuddy ...	112	81	Went on leave on private affairs from 12th July 1891.
„ H. L. Gearing ...	Ditto ...	356	24	On leave for 10 days. All works except those at Naraje are within 5 miles of head-quarters, on the inspection of which Mr. Gearing spent 201 days during the year.
<i>Sub-Engineers.</i>				
Babu Jodu Nath Bose ...	Cossye ...	366	123	
Rai Sahib Gopal Chunder Daw	Northern Drainage and Embankment.	366	211	
Mr. J. Bradshaw ...	Balasore ...	366	166	
„ I. J. Atkinson ...	Ditto ...	366	34	Principal works lie at head-quarters. On leave for 10 days, being in charge of workshop.
„ S. Street ...	Arrah ...	366	235	Subdivisional Canal Officer.
Rai Sahib Sateourey Chatterjee	Eastern Sone ...	366	54	Principal works lie at head-quarters.
Condr. C. J. Clarke ...	Puri ...	275	127	In charge of subdivision. On furlough.
Rai Sahib Jadoonath Sen ...	Brahmini-Byturni ...	133	88	Retired from 12th August 1891.
„ Prosonno Coomar Paul.	Acquapadda-Jajpur.	356	111	In charge of subdivisional works near head-quarters.
Mr. J. C. Coxo ...	Puri ...	366	290	In charge of subdivision.
<i>Superintendents.</i>				
Rai Sahib Bakhal Das Chatterjee.	Nadia Rivers ...	304	107	Was on 61 days' privilege leave.
Babu Lake Nath Mitter ...	Ditto ...	352	158	Was on 13 days' privilege leave.
„ Robin Chunder Roy ...	Circular and Eastern Canals.	366	230	
„ Dukhina Ranjan Mookerjee.	Ditto ...	323	168	Was on 27 days' privilege leave. Transferred to Madras.
„ Ashootesh Mitter ...	Ditto ...	366	273	
Mr. W. W. H. Leslie ...	Gandak ...	366	155	Including 43 days on which he attended the Divisional office.
„ H. E. Williamson ...	Delhi Workshop ...	366	38	Principal works lie at head-quarters.
Babu Chunder Bhusan Dutt...	Eastern Sone ...	93	22	In charge of subdivision.
	Delhi Workshop ...	270	202	Ditto
Babu Gopal Chunder Ghose ...	Ditto ...	366	67	In charge of subdivision. Principal works lie at head-quarters.
„ Troylukho Nath Sircar	Gandak ...	366	47	Principal works lie at head-quarters.
„ Rudro Prosonno Singh...	Ditto ...	305	131	On 61 days' privilege leave. Attended the Divisional office for 17 days and attended the Civil Court at Contai for 11 days.
„ Gopal Chunder Mukerji	Eastern Sone ...	366	89	Principal works lie at head-quarters.
„ Kanti Chunder Banerjee	Ditto ...	366	283	Subdivisional Canal Officer.
„ Doorga Churn Chucker butty ...	Arrah ...	355	156	Subdivisional Canal Officer. On 11 days' leave.
„ Mohondro Nath Sircar	Eastern Sone ...	94	67	Subdivisional Canal Officer.
„ Mohondro Nath Sircar	Buxar ...	18	11	Ditto ditto.
„ Bhuggobutty Churn Mookerjee ...	Puri ...	155	...	Works at head-quarters. Furlough from 2nd September 1891.
„ Pran Kissen Sen ...	Brahmini-Byturni and Mahanuddy.	366	186	Eighty-one days in addition spent on inspection of work within 5 miles radius of head-quarters.

## APPENDIX I.

NAME.	Circle or Division.	NUMBER OF DAYS—		REMARKS.
		On duty.	On tour.	
<i>Overseers.</i>				
Mr. P. Madge ..	Cossye ...	349	88	Transferred to Madras for famine relief works.
Babu Romanath Sircar ...	Ditto ...	336	224	
" Kirtybas Maity ...	Ditto ...	366	39	Most of his work lies at head-quarters.
" Jogendro Lall Chatterjee ...	Northern Drainage and Embankment ...	335	219	Transferred to Madras for famine works.
" Akhoy Krishna Bose ...	Nadia Rivers ...	343	233	Ditto ditto.
" Rajendra Nath Mookerjee ...	Ditto ...	366	129	
Mr. C. A. Marchant ..	Calcutta Canals ..	273	254	Transferred to Delhi Workshops from 30th December 1891.
" A. E. James ..	Tell Inspector, Dhappa, Calcutta Canals ..	93	93	Joined from Delhi Workshop Division on 30th December 1891.
Babu Suresh Chander Ganguli ...	Balasore ...	366	174	
Mr. A. E. Hefferman ...	Ditto ...	366	209	
Babu Kenarau Bose ...	Arrah ...	248	6	Was on privilege leave for 62 days. In charge of Civil Buildings subdivision at head quarters.
" Rajendra Lall Sircar ...	Eastern Sone ...	46	20	Was in charge of subdivision.
" Surendro Nath Barat ...	Buxar ...	257	20	Was in charge of Sikraul subdivision from 7th April to 19th December 1891.
" Surenbro Nath Barat ...	Do. ...	37	29	In charge of Jampur subdivision.
" Surenbro Nath Barat ...	Eastern Sone ...	153	32	In charge of subdivision from 3rd July to 2nd December 1891. Principal works at head quarters.
" Krishna Dhene Banerjee ...	Arrah ...	118	5	In charge of civil buildings subdivision. Principal works at head-quarters.
" Chintomoney Mohanty ...	Brahmini Byturni and Acquapadda ...	366	202	Sectional charge.
" Bunkim Behary Mookerjee ...	Brahmini-Byturni and Puri ...	62	65	On survey duty. Went on furlough from 2nd June 1891.
" Suttia Churn Banerjee ...	Brahmini-Byturni ...	301	224	Sectional and subdivisinal charge. Joined Irrigation Branch, 16th December 1891.
" Bunkim Kristo Ghose ...	Ditto ...	91	72	In charge of a section.
" Hari Churn Mookerjee ...	Mahanuddy ...	74	69	Ditto.
Mr. P. A. Wight ..	Ditto ...	366	267	Ditto.
Babu Korally Churn Dey ..	Puri ...	327	5	Employed as Foreman of the Cuttack Workshop from 11th May 1891.
" Hira Lall Sen ..	Darjeeling and Mahanuddy ..	366	32	Employed at head-quarters in preparing drawings of the surveys, &c., of the Gurjat roads, and in charge of the head quarters subdivision.
<i>CALCUTTA CANALS.</i>				
<i>Supervisor.</i>				
Mr. W. B. Cooksey ...	Calcutta Canals ...	366	298	In addition 212 days spent on inspection of works within 5 miles radius of head-quarters.
<i>Inspector.</i>				
Babu J. N. Gupta ...	Ditto ...	273	263	Daily inspections of few hours only.
<i>Sone Canals.</i>				
<i>Deputy and Sub-Deputy Collectors.</i>				
Babu Saroda Prasad Chatterjee ...	Sone Canals ...	366	104	
" Jagdam Sahai ...	Ditto ...	366	221	
" Siva Sankar Singh ...	Ditto ...	366	241	
" Jogesh Chunder Ghose ...	Ditto ...	310	187	Joined on 27th April 1891, and was relieved on 1st March 1892.

APPENDIX II.

Statements showing the dates of inspections of the divisional and subdivisional offices by the Superintending Engineers, Orissa South-Western, and Sone Circles, during the year 1891-92.

ORISSA CIRCLE.

DIVISIONS.				SUBDIVISIONS.					
Mahanadi.	Brahmini-Bytarni.	Puri.	Acapapada-Jajpur.	Puri Division.			Acapapada-Jajpur Division.		
				No. 2 Cutlack.	No. 3 Pipili.	No. 4 Khurda.	No. 2 Acapapada.	No. 3 Jajpur.	No. 4 Jannapur.
Not inspected	Not inspected	10th November 1891.	14th December 1891.	10th November 1891.	30th October 1891.	26th October 1891.	16th December 1891.	27th November 1891.	December 1891.

SOUTH-WESTERN CIRCLE.

DIVISIONS.					SUBDIVISIONS.										REMARKS.
Cosays. Date of inspection.	Northern Drainage and Embankment. Date of inspection.	Circular and Eastern Canals. Date of inspection.	Nadia Rivers. Date of inspection.	Balasore. Date of inspection.	Cosays Division.		Northern Drainage and Embankment Division.		Circular and Eastern Canals Division.		Nadia Rivers Division.		Balasore Division.		
					Name of sub-division.	Date of inspection.	Name of sub-division.	Date of inspection.	Name of sub-division.	Date of inspection.	Name of sub-division.	Date of inspection.	Name of sub-division.	Date of inspection.	
13th November 1891.	(a)	(b)	21st December 1891. 24th March 1892.	17th August 1891. 12th February 1892.	...	...	...	...	...	...	Jungipur toll office.	18th December 1891.	Gowan-khuti toll office. Ternapsia toll office. Kulinagar toll office. (c) Contai office.	7th Aug. 1891. 8th Aug. 1891. 10th Aug. 1891. 13th Aug. 1891.	(a) Inspection intended in March but Executive Engineer's office work too heavy at the time. (b) Inspection intended in March but then recently inspected by Examiner of Public Works Accounts Bungal. (c) To see if reduction could be made in establishment.

SONE CIRCLE.

DIVISIONS.					SUBDIVISIONS.									
Arrah. Date of inspection.	Bazar. Date of inspection.	Eastern Sone. Date of inspection.	Gandak. Date of inspection.	Dehri Workshops. Date of inspection.	Arrah Division.		Buxar Division.		Eastern Sone Division.		Dehri Workshops Division.		Gandak Division.	
					Name of sub-division.	Date of inspection.	Subdivision.	Date of inspection.	Subdivision.	Date of inspection.	Subdivision.	Date of inspection.	Subdivision.	Date of inspection.
28th and 30th January 1892.	21st to 23rd July 1891.	4th to 6th June 1891.	26th and 27th August 1891.	29th and 30th September 1891.	Bamnagar.	18th and 19th September 1891.	Monoharpur.	8th April 1891.	Daudnagar.	21st and 22nd April 1891.	Grand Trunk Road.	17th December 1891.	Siwan.	22nd January 1892.
					Kouth.	24th and 25th November 1891.	Dasawan.	16th December 1891.	Bikram.	10th January 1892.				

STATISTICAL TABLES.







IB.  
PUBLIC WORKS DEPARTMENT, BENGAL.  
CAPITAL ACCOUNT OF IRRIGATION WORKS IN BENGAL FOR AND TO END OF 1891-92.

IRRIGATION WORKS.	DIRECT CHARGES (NET EXPENDITURE).						Indirect charges, exclusive of interest.	Total capital, excluding interest.	Simple interest.
	Works.	Establishment.	Tools and plant.	Suspense accounts.	Losses by exchange.	Total.			
1	2	3	4	5	6	7	8	9	10
Major Irrigation Works.									
Orissa project ... { To end of previous year ... {	Rs. 1,74,06,739	Rs. 43,93,868	Rs. 19,89,596	Rs. 1,59,653	Rs. 2,68,070	Rs. 2,42,17,926	Rs. 5,46,188	Rs. 2,47,64,114	Rs. 1,56,93,666
During 1891-92 ... {	5,24,372	57,375	2,855	4,138	.....	3,88,740	8,042	3,96,782	9,76,492
Midnapore canal { To end of previous year ... {	5,14,0,639	19,17,880	8,90,923	.....	94,800	82,44,242	1,84,133	84,28,375	60,79,140
During 1891-92 ... {	.....	.....	14,469	.....	.....	14,469	...	14,469	3,30,059
Hidgellsee Tidal canal. { To end of previous year ... {	14,14,304	4,84,026	76,667	.....	22,790	9,97,787	49,600	20,47,387	14,80,445
During 1891-92 ... {	1,44,102	49,346	41,470	...	...	2,34,918	6,908	2,41,826	84,610
Sone project ... { To end of previous year ... {	1,82,12,220	50,97,245	19,94,927	1,71,364	52,240	2,55,27,996	9,05,360	2,64,33,356	1,55,62,825
During 1891-92 ... {	1,70,082	37,083	—1,332	—1,715	.....	2,04,098	5,191	2,09,289	10,25,202
Total ... { To end of previous year ... {	4,23,73,002	1,18,93,919	49,62,113	3,31,017	4,37,900	5,99,87,951	16,85,281	6,16,73,232	3,88,16,076
During 1891-92 ... {	6,38,556	1,43,804	57,442	2,423	.....	8,42,225	20,141	8,62,366	24,16,363
Minor Works and Navigation.									
Tirhut project ... { To end of previous year ... {	90,085	4,33,943	6,797	.....	.....	5,31,425	74,650	6,06,075	.....
During 1891-92 ... {	.....	.....	.....	.....	.....	.....	.....	.....	.....
Damodur " { To end of previous year ... {	49,077	94,864	4,800	.....	.....	1,48,741	16,239	1,64,980	.....
During 1891-92 ... {	—1,206	...	.....	.....	.....	—1,200	.....	—1,200	.....
Saran " { To end of previous year ... {	4,79,448	1,64,170	25,952	.....	.....	6,69,570	27,183	6,96,753	.....
During 1891-92 ... {	.....	.....	.....	.....	.....	.....	...	.....	.....
Orissa Coast canal { To end of previous year ... {	32,71,420	7,30,584	2,02,469	30,586	.....	42,35,059	1,03,018	43,38,077	.....
During 1891-92 ... {	—1,839	467	.....	6,246	.....	3,940	—65	3,875	.....
Calcutta and Eastern canals. { To end of previous year ... {	44,84,160	3,84,970	3,51,663	12,679	.....	52,32,872	61,025	52,93,897	.....
During 1891-92 ... {	—9,960	18	.....	—387	...	—10,399	2	—10,327	.....
Total ... { To end of previous year ... {	83,74,790	18,08,531	5,91,681	42,665	.....	1,08,17,667	2,82,115	1,10,99,782	.....
During 1891-92 ... {	—12,999	—449	...	5,839	.....	—7,589	—63	—7,652	.....
GRAND TOTAL ... { To end of previous year ... {	5,07,48,692	1,37,01,550	55,43,794	3,73,682	4,37,900	7,08,05,618	19,67,396	7,27,73,014	3,88,16,076
During 1891-92 ... {	6,25,557	1,43,355	57,442	8,232	.....	8,34,636	20,078	8,54,714	24,16,363



I

PUBLIC WORKS

STATEMENT SHOWING THE FINANCIAL RESULTS OF IRRIGATION

Realizations under main heads of

IRRIGATION WORKS.	REVENUE (ACTUAL RECEIPTS).										REVENUE	
	IRRIGATION.			Navigation.	Plantations.	Water-power.	Miscellaneous.	Total.	Refunds of revenue.	Gross revenue (less refunds).	Establishment.	
	Water-rate directly paid.	Share of land revenue.	Total.								Direction.	Executive.
1	2	3	4	5	6	7	8	9	10	11	12	13
MAJOR IRRIGATION WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Orissa project ... ..	2,17,256	...	2,17,256	1,35,803	917	...	16,926	3,71,601	70	3,70,922	4,301	55,406
Midnapore canal ... ..	1,32,861	...	1,32,861	1,32,572	60	...	10,107	2,84,700	5	2,84,637	3,333	14,108
Hidgollee Tidal canal ...	...	...	...	36,319	27	...	540	30,915	...	30,915	815	4,003
Sone project ... ..	8,11,760	...	8,11,760	66,517	193	1,040	20,783	9,10,094	4,020	9,06,074	6,590	98,937
Total Major Irrigation Works.	11,61,957	...	11,61,957	3,71,339	1,079	1,040	66,336	16,02,710	4,102	15,98,608	16,329	1,03,513
MINOR WORKS AND NAVIGATION.												
Works for which capital and revenue accounts are kept.												
Baran project ... ..	15,785	...	15,785	...	28	...	18	15,831	...	15,831	220	1,020
Orissa Coast canal ...	...	...	...	60,051	...	...	2,072	62,123	66	62,057	1,216	7,335
Calcutta and Eastern canals	...	...	...	5,15,125	...	...	10,218	5,25,313	124	5,25,219	5,219	27,000
Total ...	15,785	...	15,785	5,75,176	28	...	12,308	6,03,297	190	6,03,107	6,659	30,624
Works for which only revenue accounts are kept.												
Nadia rivers ... ..	...	...	...	1,09,718	...	...	247	1,02,965	228	1,02,737	1,568	9,784
Works for which neither Capital nor revenue accounts are kept.												
Eden canal ... ..	9,430	...	9,430	...	...	...	724	10,158	30	10,110	...	...
Total Minor Works and Navigation.	25,215	...	25,215	7,67,894	28	...	13,282	9,06,430	477	9,05,953	8,227	40,408
GRAND TOTAL ...	11,87,202	...	11,87,202	11,39,233	2,007	1,040	79,630	24,99,139	4,569	24,94,571	21,555	2,08,931

(a) Irrigation revenue officers specially  
(b) A temporary establishment costing  
NOTE.—The charges for " Direction " and " Executive " establishment have been equally

## C.

## DEPARTMENT, BENGAL.

## WORKS IN BENGAL FOR THE YEAR ENDING 31st MARCH 1892.

## Revenue and Working Expenses.

WORKING EXPENSES.																
MANAGEMENT.			MAINTENANCE OF WORKS.													
Management.		Total revenue management.	Establishment.				Works.	Repairs.	Sanitary.	Taxes and plant.	Plantations.	Total cost of maintenance.	Indirect charges.	Grand total working expenses.	Net revenue.	
Navigation.	Civil officers (a).		Director.	Executive.	Medical.	Total.										
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
10,500	57,074	1,31,167	4,391	55,197	...	59,888	5,001	1,70,214	...	27,023	423	2,62,549	17,070	1,23,086	—73,164	
7,750	21,273	46,623	3,531	14,107	...	17,639	...	1,40,674	...	51,761	588	2,10,001	9,062	2,66,326	18,371	
2,055	...	8,672	814	4,902	...	5,716	...	32,315	...	1,093	273	33,987	2,014	50,653	—13,768	
14,961	1,52,113	2,60,974	6,301	88,068	...	94,369	3,812	2,52,968	28	28,815	6,894	3,87,086	40,780	6,97,816	2,68,974	
41,475	2,30,400	4,49,776	15,327	1,62,514	...	1,77,841	8,813	5,06,171	28	1,60,320	8,120	9,60,293	87,406	11,37,943	1,60,673	
...	...	1,855	225	1,030	...	1,855	...	8,964	...	—193	57	10,083	510	13,037	2,774	
6,131	...	14,661	1,215	7,335	...	8,550	...	48,508	...	3,401	...	60,617	3,253	78,549	—16,492	
41,360	...	74,237	5,210	27,000	...	32,870	34,280	1,71,298	...	12,541	1,219	2,54,166	14,906	3,13,399	1,81,820	
47,493	...	10,770	6,630	36,625	...	43,284	36,280	2,28,770	...	15,812	1,306	3,25,463	18,768	1,35,065	1,68,102	
23,134	...	31,040	1,567	9,785	...	11,352	...	69,704	—3,015	1,330	...	72,371	6,417	1,13,274	79,963	
...	... (b)	...	...	6,541	...	6,541	4	18,023	...	495	...	25,093	...	25,093	(—) 15,594	
70,627	...	1,23,242	8,220	52,951	...	61,177	36,293	3,10,097	—3,015	17,637	1,306	4,23,495	25,183	5,73,942	2,32,021	
1,12,102	2,30,460	5,76,038	23,563	2,15,405	...	2,39,018	45,106	9,06,908	—2,987	1,26,067	9,126	13,23,788	1,13,051	20,41,857	3,92,634	

employed in collection of revenue.  
 Rs. 967, was entertained during the year for Eden Canal Irrigation.  
 approximately) apportioned under the heads "Revenue management" and "Maintenance."

## III.

## PUBLIC WORKS DEPARTMENT, BENGAL.

STATEMENT SHOWING THE FINANCIAL RESULTS OF IRRIGATION WORKS IN BENGAL  
FOR 1891-92, BASED ON ACTUAL RECEIPTS.*Principal results of operations for the year ended 31st March 1892.*

IRRIGATION WORKS.	Direct and indirect outlay to end of 1891-92.	Gross receipts, direct and indirect, from all sources (less re-funds).	Working expenses, direct and indirect.	Net revenue (excluding charges for interest).	Percentage of net revenue on capital outlay to end of the year.		SURPLUS REVENUE AFTER PAYING INTEREST ON DIRECT CAPITAL OUTLAY.		EXCESS CHARGE INCLUDING INTEREST ON DIRECT CAPITAL OUTLAY.	
					Interest at 4 per cent. on direct capital outlay at commencement of year and at 2 per cent. on outlay during the year.	Interest at 4 per cent. on direct capital outlay at commencement of year and at 2 per cent. on outlay during the year.	Amount.	Percentage on total sum at charge.	Amount.	Percentage of total sum at charge.
1	2	3	4	5	6	7	8	9	10	11
<b>MAJOR IRRIGATION WORKS.</b>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
<i>In operation.</i>										
Hidgellie Tidal canal ...	22,89,213	36,915	50,643	—13,768	—60	84,610	...	...	98,378	4.25
<i>In progress.</i>										
Orissa Project ...	2,51,60,896	8,70,922	4,23,036	—2,161	—20	9,76,492	...	...	10,28,656	4.09
Midnapore canal ..	84,42,814	2,84,697	2,66,326	18,371	21	3,30,459	...	...	3,11,688	3.7
Bone Project ...	2,66,42,646	9,06,074	6,97,810	2,08,234	78	10,26,202	...	...	8,16,968	8.07
<b>Total</b> ..	<b>6,26,35,598</b>	<b>15,98,608</b>	<b>14,37,935</b>	<b>1,60,673</b>	<b>25</b>	<b>24,16,363</b>	<b>...</b>	<b>...</b>	<b>22,55,690</b>	<b>3.60</b>
<b>MINOR WORKS AND NAVIGATION.</b>										
<i>In operation.</i>										
Saran Project ...	6,96,753	15,831	13,057	2,774	39	...	...	...	...	...
Calcutta and Eastern canals	62,53,570	5,25,319	3,43,399	1,81,820	3.41	...	...	...	...	...
Nadia rivers ...	...	1,92,737	1,13,274	79,463	...	...	...	...	...	...
<i>In progress.</i>										
Orissa Coast canal ...	43,41,952	62,057	78,519	—16,492	34	...	...	...	...	...
<i>Abandoned or held in abeyance.</i>										
Tribut Project ...	6,06,076	...	...	...	...	...	...	...	...	...
Samudur Project ..	1,63,760	...	...	...	...	...	...	...	...	...
<b>Total</b> ...	<b>1,10,92,130</b>	<b>7,95,844</b>	<b>5,48,279</b>	<b>2,47,665</b>	<b>2.23</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>

## IIIC.

## PUBLIC WORKS DEPARTMENT, BENGAL.

## DEMANDS AND REALIZATIONS DURING THE YEAR 1891-92.

IRRIGATION WORKS.	Balance of demand unrealized at com- mencement of year.	Demands of the year.	Total.	Deduct remissions not including cash refunds.	Net total.	Deduct amount un- realized at close of the year.	Actual receipts of the year.
1	2	3	4	5	6	7	8
<i>Major Irrigation Works.</i>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Orissa Project ...	1,98,361	4,36,625	6,34,989	30,384	6,04,705	2,33,704	3,71,001
Midnapore Canal ...	64,967	2,81,511	3,46,508	2,836	3,43,672	58,972	2,84,700
Hidgelleo Tidal Canal ...	...	36,915	36,915	...	36,915	...	36,915
Sone Project ...	2,08,782	8,27,975	10,36,757	15,220	10,21,537	1,11,443	9,10,094
Total ...	4,72,113	15,83,056	20,55,169	48,340	20,06,829	4,04,119	16,02,710
<i>Minor Works and Navigation.</i>							
Saran Project ...	18,814	11,046	29,860	...	29,860	14,029	15,831
Orissa Coast Canal ...	...	62,123	62,123	...	62,123	...	62,123
Calcutta and Eastern Canals ...	...	5,25,343	5,25,343	...	5,25,343	...	5,25,343
Nadia Rivers ...	...	1,92,965	1,92,965	...	1,92,965	...	1,92,965
Total ...	18,814	7,91,477	8,10,291	...	8,10,291	14,029	7,96,262
GRAND TOTAL ...	4,90,927	23,74,533	28,65,460	48,340	28,17,120	4,18,148	23,98,972

NOTE.—Refunds of revenue have not been deducted from actual receipts of the year.



## IV.

## PUBLIC WORKS

## STATEMENT SHOWING THE FINANCIAL RESULTS OF IRRIGATION WORKS IN

*Principal results of operations for*

IRRIGATION WORKS.	Capital out- lay (direct and indirect) to end of the year.	REVENUE ASSESSED				
		DIRECT ASSESSED				
		Occupier's rate (water- rates).	Owner's rate.	Plantations.	Water-power.	Navigation.
1	2	3	4	5	6	7
<b>MAJOR IRRIGATION WORKS.</b>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Orissa Project ... ..	2,51,60,896	2,66,587	.....	917	.....	1,35,902
Midnapore Canal ... ..	84,42,844	1,99,245	.....	40	.....	1,32,572
Hidgelleo Tidal Canal ... ..	22,89,213	.....	.. ..	27	.....	36,348
Sone Project ... ..	2,66,42,645	9,82,032	.....	995	1,049	66,517
Total Major Irrigation Works ..	6,25,35,598	13,77,864	.....	1,979	1,049	3,71,339
<b>MINOR WORKS AND NAVI- GATION.</b>						
<i>Works for which Capital and Re- venue accounts are kept.</i>						
Saran Project ... ..	6,96,753	11,000	.....	28	.. ..	.....
Orissa Const Canal ... ..	43,41,952	.....	.....	.....	.....	60,051
Calcutta and Eastern Canals ... ..	52,83,570	.....	.....	.....	.....	5,15,125
Total ... ..	1,03,22,275	11,000	.....	28	.....	5,75,176
<i>Works for which only Revenue accounts are kept.</i>						
Nadia Rivers ... ..	.....	.....	.....	.. ..	.....	1,92,718
Total Minor Works and Naviga- tion.	1,03,22,275	11,000	.....	28	.....	7,67,894

## C.

## DEPARTMENT, BENGAL.

## BENGAL FOR THE YEAR ENDED 1891-92, BASED ON ASSESSMENTS OF THE YEAR.

*the year ended 31st March 1892.*

## DURING THE YEAR.

REVENUE.		Refunds of revenue.	Gross assessed revenue,—less refunds.	Indirect revenue—Land revenue due to operations of canals.	Grand total.	Working expenses, direct and indirect.	Net assessed revenue of the year.	Percentage on capital outlay to end of the year.
Miscellaneous.	Total.							
8	9	10	11	12	13	14	15	16
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
16,926	4,20,332	79	4,20,253	.....	4,20,253	4,23,086	(—)2,833	·01 deficit.
19,107	2,80,964	3	2,80,961	.....	2,80,961	2,66,326	(+ )14,635	·17 profit.
540	36,915	...	36,915	.....	36,915	50,683	(—)13,768	·60 deficit.
29,783	10,80,376	4,020	10,76,356	.....	10,76,356	6,97,840	(+ )3,78,516	1·42 profit.
66,356	18,18,587	4,102	18,14,485	... ..	18,14,485	14,37,935	(+ )3,76,550	·60 profit.
18	11,046	...	11,046	.....	11,046	13,057	(—)2,011	·28 deficit.
2,072	62,123	66	62,057	.....	62,057	78,519	(—)16,462	·38 deficit.
10,218	5,25,313	124	5,25,219	.....	5,25,219	3,13,399	(+ )1,81,820	3·44 profit.
12,308	5,98,512	190	5,98,322	.....	5,98,322	4,35,005	1,63,317	1·58 profit.
247	1,92,965	228	1,92,737	.....	1,92,737	1,13,274	79,463	....
12,555	7,91,477	418	7,91,059	.....	7,91,059	5,48,279	2,42,780	....

ID.

PUBLIC WORKS DEPARTMENT.

STATEMENT OF TRAFFIC ON CANALS IN BENGAL DURING THE YEAR 1891-92.

PARTICULARS.	Orissa Canals.	Midnapore Canal.	Hidgellee Tidal Canal.	Sone Canals.	Calcutta and Eastern Canals.	Orissa Coast Canal.	Total.	Nadia Rivers.	Grand Tot
1	2	3	4	5	6	7	8	9	10
Length of canal open for navigation ... Miles	204½	72	29	218½	(a) 47	(b) 102	673½	477	1,150½
RECEIPTS.									
Wharfe—Private boats ... Rs.	1,12,342	1,29,850	36,169	41,083	5,08,853	59,361	8,87,683	1,91,120	10,78,808
Government boats ... "	4,880	...	...	9,368	...	50	14,298	...	14,298
Rafts ... "	3,619	2,722	179	6,843	329	640	14,272	1,698	16,871
Carrying operations or transport services. } Government boats.	14,967	...	...	9,178	...	...	24,145	...	24,145
Stores and Sundries ... "	3	3,005	...	...	5,913	520	9,471	...	9,471
Total receipts ... "	1,36,731*	1,35,577	36,348	66,517	5,15,125	60,571	9,19,869	1,92,718	11,42,668
Maintenance charges, including special navigation establishment ... "	78,179	31,538	63,683	29,497	3,43,523	78,615	5,75,035	1,13,502	6,88,637
Net revenue of year ... "	97,552	1,04,039	(-114,335)	67,020	1,71,602	(-18,044)	3,74,834	79,216	4,54,066
Total number of boats plying cargo ... No.	10,176	16,496	41,276	4,807	91,560	19,702	174,987	29,242	294,224
" Passenger ... "	2,770	13,313	1,056	512	11,352	1,841	30,844	19,797	70,641
Total ...	(c) 12,946	29,719	42,332	(e) 5,319	102,912	12,543	205,831	49,039	254,871
Total registered tonnage of boats by canal measurement, cargo ... Tons.	180,375	219,026	123,702	100,388	2,510,885	87,945	3,282,521	(f) 778,368	4,060,889
Total registered tonnage of boats by canal measurement, passenger ... "	86,026½	99,251	9,873	12,532	24,367	22,712	254,791½	26,256	281,048
Total ...	(d) 266,401½	318,277	133,575	(g) 112,920	2,535,252	1,10,657	3,537,312½	804,623	4,341,937
Ton-mileage—Up ... "	5,10,752	2,762,222	772,076	1,949,396	3,245,547	1,487,628	15,323,621	Nil	...
Down ... "	6,197,558	4,997,750	1,403,286	3,600,252	19,619,983	1,917,906	37,136,935		
Total ...	11,304,510	7,759,972	2,175,362	5,549,648	22,865,530	3,405,534	52,460,556		
Estimated value of cargoes—Up ... Rs.	31,77,308	52,19,687	12,42,257	22,43,358	97,46,815	11,09,230	2,27,87,655	2,04,78,042	4,32,15,697
Down ... "	62,67,565	72,87,473	22,41,617	45,56,049	6,17,15,290	10,93,071	8,31,66,975	1,71,27,179	10,02,94,154
Total ... "	94,44,873	1,25,07,160	34,83,874	67,99,407	7,14,61,015	22,08,301	10,59,54,630	3,76,05,221	14,35,09,851
Number of passengers—Total No.	96,445½	163,836	27,320	51,696	61,701	63,723	457,701½	48,707	606,108
Feet, feet x feet x feet—Up ... c. ft.	180,594	3,786	21,541	5,025	11,403	7,298	220,611	8,039	237,683
Down ... "	591,298	2,15,243	4,679	2,537,714	52,928	30,198	3,432,380	164,820	3,697,180
Total ... "	771,892	219,029	26,220	2,542,739	64,331	37,766	3,651,991	172,889	3,834,863
Estimated value of rafts—Total ... Rs.	1,01,843	1,58,564	13,851	2,07,188	1,01,261	18,980	6,04,727	2,10,080	8,15,467
Charge on boats per ton per mile ... Pies	139	32	32	175	439	32	...	Nil.	...
Charge on rafts per 100 cubic feet ... Rs.	0.46	1.21	0.68	0.27	0.51	1.67	...	0.92	...

\* Exclusive of Rs. 171 being receipts from steamer *Ganga*.  
(a) This length is that of the Calcutta and new canals and Tolly's nullah, with 20 miles of Kuorapukur khali. The Eastern canals are 310 miles in length, of which the outer boat route is 189 miles, and the outer boat route 127 miles; the steamer route is 350 miles. Total length is 713 miles.  
(b) Includes 4½ miles of river crossings.  
(c) Exclusive of 8,799 and 3,260 empty boats.  
(d) Exclusive of 35,501 tons of empty, cargo and passenger boats.  
(e) Exclusive of 10,225 tons of empty boats.  
(f) Includes tonnage of empty boats.

PUBLIC WORKS DEPARTMENT, BENGAL.

DESCRIPTION AND QUANTITIES OF GOODS. &c., CARRIED ON CANALS IN BENGAL DURING THE YEAR 1891-92.

[illegible]



IE.

PUBLIC WORKS DEPARTMENT, BENGAL.

STATEMENT OF AREAS IRRIGATED BY IRRIGATION WORKS IN BENGAL DURING THE YEAR 1891-92.

NAME OF CANAL.	AREAS IRRIGATED IN ACRES.					AVERAGE DISCHARGE, CUBIC FEET PER SECOND.				AREAS IRRIGATED PER CUBIC FOOT PER SECOND.			
	Kharif.	Rabi.	Total.	Flow.	Lift.	DOUBLE-CROPPED.		AT HEAD.		UTILISED.		DISCHARGE AT HEAD.	
						Area irrigated.	Percentage of total area.	Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Kendrapara Canal and its branches	70,686	3,494	74,180	70,507	3,373	...	...	883'00	409'00	409'83	265'01	80'05	7'50
Taldundah ditto ditto	41,570	586	42,156	40,673	1,253	...	...	369'76	96'00	369'76	61'25	169'00	3'50
High Level Canal, Range I ...	22,304	29	22,333	21,651	772	...	...	264'28	213'50	221'50	42'26	64'75	0'14
Total Mahanadi Series	134,560	3,609	138,169	133,131	5,378	...	...	1,547'00	709'19	1,420'33	371'51	87'04	5'02
High Level Canal, Range II	2,451	61	2,512	2,490	23	...	...	98'22	21'50	35'75	...	24'35	2'88
Ditto ditto III	36,180	22	36,211	36,005	116	...	...	397'50	21'50	364'75	...	117'00	1'02
	452	...	452	401	51	...	...	...	...	...	...	...	...
Total Brahmini-Pyturni Series	39,092	84	39,176	38,690	180	...	...	406'75	43'00	343'00	...	90'34	1'05
Total Orissa Canals	173,742	3,693	177,435	172,117	5,668	...	...	1,033'75	812'19	1,763'83	371'51	88'07	4'86
Under Midnapore weir	77,631	...	77,631	77,630	1	...	...	650	...	401	...	172'51	...
Under Panchkoora weir	6,804	68	6,872	6,804	62	...	...	62	22	84	9	65'10	3'00
	376	...	376	368	8	...	...	...	...	...	...	...	...
Total Midnapore Canal	83,905	68	83,973	81,902	71	...	...	...	...	...	...	...	...
Eastern Main Series	76,853	17,237	94,090	89,111	4,979	...	...	1,303	515	1,236	429	57'59	40'49
Western ditto	207,237	173,399	380,636	356,907	26,020	...	...	3,258	2,563	2,988	1,841	57'94	74'90
Total Sone Canals	284,090	190,633	474,723	444,118	26,605	...	...	4,561	3,078	4,224	2,290	57'84	69'06
Saran Canals	3,425	2,540	5,965	...	...	...	...	113	245	Not recorded.	...	30'30	10'36

III.

PUBLIC WORKS DEPARTMENT, BENGAL.

STATEMENT SHOWING INCIDENCE OF WORKING EXPENSES AND ASSESSED WATER-RATES ON CANALS IN BENGAL DURING 1891-92.

NAME OF CANAL.	Average discharge of the year at canal head in cubic feet per second.	WATER-RATES ASSESSED IN 1891-92.					Gross assessed revenue from all sources.	Working expenses, direct and indirect.	Areas irrigated during the year 1891-92.	WORKING EXPENSES.			OCCUPIER'S RATES (WATER-RATES).		TOTAL WATER RATES, DIRECT AND INDIRECT.	
		Occupier's (water-rate).	Owner's.	Total direct.	Indirect.	Total of direct and indirect.				Per cent. on gross revenue.	Per acre irrigated.	Per cubic foot per second of discharge at canal head.	Per acre irrigated.	Per cubic foot per second of discharge at canal head.	Per acre irrigated.	Per cubic foot per second of discharge
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
MAJOR IRRIGATION WORKS.																
Orissa project	1,008'10	2,68,587	...	2,60,547	...	2,68,587	4,30,253	4,23,083	177,683	100'67	2'38	386'34	1'50	243'08	1'50	243'08
Midnapore canal	286'50	1,29,245	...	1,29,245	...	1,29,245	3,80,061	3,61,326	83,973	91'79	3'10	923'10	1'53	447'08	1'40	447'08
Hidgellie Tidal canal	...	...	...	...	...	...	30,915	60,683	...	130'32	...	...	...	...	...	...
Sone project	20'08	9,82,082	...	9,82,032	...	9,82,033	10,70,366	6,07,840	471,723	64'83	1'47	2'40	2'00	337'70	3'08	337'70
Total	...	13,77,904	...	13,77,904	...	13,77,984	18,14,485	14,57,935	736,381	79'88	1'96	...	...	...	...	...
MINOR WORKS AND NAVIGATION.																
Saran project	178	11,000	...	11,000	...	11,000	11,044	13,057	5,005	11'82	2'19	73'38	...	...	...	...
Orissa Coast canal	...	...	...	...	...	...	62,087	78,540	...	120'57	...	...	...	...	...	...
Calcutta and Eastern canals	...	...	...	...	...	...	5,25,319	3,43,300	...	65'75	...	...	...	...	...	...
Nadia rivers	...	...	...	...	...	...	1,25,737	1,13,274	...	58'76	...	...	...	...	...	...
Total	...	11,000	...	11,000	...	11,000	7,91,080	5,44,270	5,005	...	...	...	...	...	...	...

\* Cannot be filled in, as the payment is partly for water supplied for the manufacture of indigo.  
Note A.--In this table the water-rates shown as assessed during the year are the amounts for which occupiers have rendered themselves liable in return for can water supplied during the year, and include some demands which were not legally recoverable, and others of which the assessment papers were not completed till after the close of the year.  
Note B.--Refunds of revenue have been deducted from "Gross assessed revenue from all sources."

**IIIE.**  
**PUBLIC WORKS DEPARTMENT, BENGAL.**  
**STATEMENT OF QUANTITY AND VALUE OF CROPS IRRIGATED IN BENGAL DURING THE YEAR 1891-92.**

Description.	ORISSA CANALS.			MIDNAPORE CANAL.			SONE CANALS.			SARAN CANALS.			TOTAL.	
	Area irrigated.	Estimated value.		Area irrigated.	Estimated value.		Area irrigated.	Estimated value.		Area irrigated.	Estimated value.		Area irrigated.	Estimated value.
1	2	3		4	5		6	7		8	9		10	11
Gardens and orchards	Acres.	Ra.		Acres.	Ra.		Acres.	Ra.		Acres.	Ra.		Acres.	Ra.
Sugarcane	134	26,800		56	1,044		19,850	10,39,241		...	...		190	28,444
Wheat	289	1,30,050		70,845	38,42,250		44,369	7,98,642		...	...		20,139	11,69,291
Barley	...	...		...	...		248,386	74,51,580		...	...		76,845	38,42,250
Rice	173,613	43,40,325		83,905	20,97,625		2,575	34,923		3,425	61,650		44,369	7,98,642
Maize	...	...		...	...		...	...		...	...		5,09,329	1,39,51,180
Cereals	...	...		...	...		...	...		...	...		2,575	34,923
Juar	...	...		...	...		142	1,065		...	...		...	...
Cheena	13	156		...	...		2,605	64,517		...	...		155	1,221
Miscellaneous	2	20		...	...		8,830	3,53,200		1,694	32,080		4,211	96,617
Zeera	...	...		...	...		14,184	2,12,745		...	...		8,830	3,53,200
Gram	...	...		...	...		10,260	1,57,078		...	...		14,183	2,12,745
Peas	...	...		...	...		15,642	2,14,207		...	...		10,260	1,57,078
Miscellaneous	550	8,800		...	...		4	96		...	...		16,192	2,23,007
Fodder crops...	...	...		...	...		...	...		...	...		4	96
Fibres	2,651	2,65,100		...	...		...	...		...	...		2,651	2,65,100
Dyes	317	12,860		68	1,700		7	280		936	46,800		1,328	61,640
Drugs	...	...		...	...		2,281	76,258		...	...		2,281	76,258
Oilseeds	...	...		...	...		437	11,043		...	...		...	...
Miscellaneous	113	3,390		...	...		577	9,440		...	...		690	12,830
...	3	45		...	...		14,349	1,74,732		...	...		14,352	1,74,777
Total	177,685	47,87,546		83,973	20,99,325		461,398	1,44,42,941		5,965	1,40,530		729,021	2,14,70,342
Hot weather irrigation	...	...		...	...		13,325	43,016		...	...		13,325	43,016
Land insufficiently irrigated...	...	...		...	...		...	...		...	...		...	...
GRAND TOTAL	177,685	47,87,546		83,973	20,99,325		474,723	1,44,85,957		5,965	1,40,530		742,346	2,15,13,358

# IV.

**PUBLIC WORKS DEPARTMENT, BENGAL.**

COMPARATIVE STATEMENT OF IRRIGATION AND RAINFALL FOR THE YEARS 1891-92 AND 1890-91 IN BENGAL.

Works supplying irrigation.	Civil districts.	Total area in acres.	Cultivated area in acres.	AREAS IRRIGATED IN ACRES.						RAINFALL.		
				1891-92.			1890-91.			Year.	1891-92.	1890-91.
				Kharif inclusive of sugarcane.	Rabi inclusive of hot-weather.	Year.	Kharif inclusive of sugarcane.	Rabi inclusive of hot-weather.				
				1	2	3	4	5	6	7	8	9	10	11	12
Orissa Canals ...	Cuttack ...	...	...	137,553	3,921	141,474	137,016	4,247	141,263	60-60	64-20	
	Balasore ...	...	...	36,189	22	36,211	39,033	3	39,036	63-38	57-48	
	Total Orissa Canals ...	...	...	173,742	3,943	177,685	176,049	4,250	180,299	61-99	60-84	
Midnapore Canal {	Midnapore ...	...	...	83,529	68	83,597	81,626	...	81,626	55-08	57-64	
	Hooghly ...	...	...	376	...	376	376	...	376	...	...	
	Total Midnapore Canal ...	...	...	83,905	68	83,973	82,002	...	82,002	...	...	
Sone Canals ...	Shahabad ...	2,806,400	2,192,500	188,779	191,854	380,633	173,096	46,616	219,712	26-28	49-22	
	Patna ...	1,329,920	1,039,000	41,096	6,827	47,923	27,454	2,330	29,784	36-00	56-49	
	Gaya ...	3,015,680	2,356,000	33,941	12,226	46,167	29,146	2,372	31,518	28-49	57-97	
	Total Sone Canals ...	7,152,000	5,587,500	263,816	210,907	474,723	229,696	51,318	281,014	...	...	
Saran Canals	Saran ...	1,680,000	1,312,500	3,425	2,540	5,965	990	1,236	2,226	35-05	58-63	
		...	...	...	...	...	488,737	56,804	545,541	...	...	
	GRAND TOTAL.	...	...	...	...	...	...	...	...	...	...	



## No. IF.

STATEMENT SHOWING THE WATER-RATES PER ACRE IN FORCE ON  
CANALS IN BENGAL DURING 1891-92.

CANALS.	Description of leases and crops.	OCCUPIER'S RATES PER ACRE.	
		Flow irrigation.	Lift irrigation.
1	2	3	4

## ORISSA CIRCLE.

		Rs. A. P.	Rs. A. P.
ORISSA CANALS ...	I.—For the whole irrigable or rice cultivated area of any village, if application is made for a lease of five years ...	1 8 0	1 0 0
	<i>For the rice crop.</i>		
	II.—For any fractional area of a village or for other term ...	3 0 0	2 0 0
	<i>For cold-weather crops.</i>		
	III.—Dalwa rice ...	1 8 0	1 0 0
	IV.—For cotton, tobacco, huldi, ginger, wheat, vegetable, indigo and all garden produce grown in villages the rice-lands of which are leased under rate I ...	1 0 0	0 10 0
	V.—For the above produce when grown in villages the rice-lands of which are not leased under rate I ...	2 0 0	1 8 0
	VI.—For linseed, oil-seeds, dāl and all pulses grown in villages the rice-lands of which are leased under rate I ...	0 8 0	0 5 0
	VII.—For the above produce when grown in villages the rice-lands of which are not leased under rate I ...	1 0 0	0 10 0
	<i>For perennial crops.</i>		
	VIII.—For sugarcane ...	6 0 0	4 0 0
	IX.—The charge for filling tanks is Re. 1 per 10,000 cubic feet of water used	.....	.....

## SOUTH-WESTERN CIRCLE.

		Rs. A. P.	Rs. A. P.
MIDNAPORE CANAL	<i>For the rice-crop.</i>		
	I.—Under five-year leases ...	1 8 0	1 0 0
	II.—Under annual leases ...	2 8 0	1 10 0
	<i>For winter crops.</i>		
	III.—In exceptional cases when water is available ...	1 8 0	
	IV.—The charge for the unauthorised use of canal water is Rs. 5 per acre per annum or such less sum as is fixed by the Collector ...	.....	.....

CANALS.	Description of leases and crops.	OCCUPIER'S RATES PER ACRE.	
		Flow irrigation.	Lift irrigation.
1	2	3	4
<b>SONE CIRCLE.</b>			
SONE CANALS ...	<b>I.—LEASES FOR A TERM OF YEARS.</b>	<b>Rs. A. P.</b>	<b>Rs. A. P.</b>
	<i>Five-year leases. Supply given.</i>		
	All crops - From 25th June of one year to 25th March of next.	2 0 0	
	<i>Note.—Leases for a term of years give no claim to a supply of water between 25th March and 25th June of any year.</i>		
	<b>II.—LEASES FOR THE SEASON.</b>		
	<i>Supply given.</i>		
	* Sugarcane. For one year ... ..	5 0 0	3 5 4
	* This is applicable only to leases taken out before the 31st March 1891.		
	<i>Supply given.</i>		
	<b>CROPS.</b>		
	<b>KHARIF.</b>		
	Rice and sugarcane ... From 25th June to 25th October.	3 0 0	3 0 0
	Bhodoi Serha rice or any other crops. From 25th June to 15th October.	2 8 0	2 8 0
	<b>RABI.</b>		
	All crops including sugarcane on distributaries open for kharif irrigation. From 15th October to 25th March.	2 0 0	1 8 0
	All crops including sugarcane on distributaries or parts of distributaries from which rabi irrigation only is allowed. From 25th October to 25th March.	1 8 0	1 0 0
	<b>HOT WEATHER.</b>		
	All crops ... .. From 25th March to 25th June, or at option of applicant from 25th February to 25th May.	4 0 0	4 0 0

**III.—SALE BY VOLUME.**

*Kharif season.*—For water supplied between the 1st of September and the 31st of October, four rupees for a calculated discharge of one cubic foot per second for twelve hours. For less than a cubic foot per second or less than twelve hours, a proportionate charge is made, but a fraction of less than one-sixteenth is charged as one-sixteenth.

*Rabi season.*—For water supplied between the 1st of November and the 25th of March, one rupee for a calculated discharge of one cubic foot per second for twelve hours. For less than a cubic foot per second or less than 12 hours, a proportionate charge is made, but a fraction of less than one-sixteenth is charged as one-sixteenth.

**SARAN CANALS.**

*Rates authorized for year 1891-92.*

	Maximum rate charged.
	Rs. A. P.
For water supplied on application between 1st April and 15th June ...	2 8 0 per acre.
For water supplied in the <i>kharif</i> season ... ..	1 8 0 "
For water supplied in the <i>rabi</i> season ... ..	1 0 0 "

For water taken without previous application and permission, a further rate of 1 rupee per acre is charged, in addition to the several rates entered above.

For water supplied on application for the manufacture of indigo, Rs. 4 per maund on the

*List of Officers in charge of Irrigation Circles and Divisions during the year 1891-92.*

Circle or Division.	Name of Officer.	Period of charge.
<b>SECRETARIAT.</b>		
Secretary, Irrigation Branch	Colonel J. M. McNeile, R.E.	From 1st April 1891 to 4th March 1892. [On privilege leave from 1st April to 30th April 1891.]
Offg. Joint-Secretary, Irrigation Branch.	Mr. C. W. Odling	" 1st April to 30th April 1891.
Superintending Engineer on special duty.	Ditto	" 1st May to 9th July 1891.
	Ditto	" 1st February to 4th March 1892.
	Ditto	" 5th to 31st March 1892.
Joint-Secretary, Irrigation Branch.		
Under-Secretary	Mr. G. A. G. Shawe	" 1st April to 19th October 1891.
Ditto	" W. A. Inglis	" 20th October 1891 to 28th January 1892.
Ditto	" G. C. Macneohy	From 29th January to 31st March 1892.

**SUPERINTENDING ENGINEERS IN CHARGE OF CIRCLES.**

South-Western Circle	Lieutenant-Colonel A. D. McArthur, R.E.	From 1st April 1891 to 31st March 1892.
Ditto Personal Assistant.	Mr. W. S. Bremner	" 1st to 13th April 1891.
	Ditto	" 6th August to 30th November 1891.
	Mr. C. H. DeMollo	" 8th to 28th January 1892.
Orissa Circle	" E. H. Rhind	" 1st to 25th April 1891.
	" W. Connan	" 26th April 1891 to 31st March 1892.
	" C. W. Odling	" 10th July 1891 to 1st February 1892.
Sone Circle	" W. A. Inglis	" 1st April to 9th July 1891.
	Ditto	" 2nd February to 31st March 1892.

**EXECUTIVE ENGINEERS IN CHARGE OF DIVISIONS.****SOUTH-WESTERN CIRCLE.**

Nadia Rivers Division	Mr. C. E. Livesay	From 1st April 1891 to 31st March 1892.
Cossyo Division	" J. P. Scotland	Ditto ditto.
Northern Drainage and Embankment Division.	" T. M. L. Thompson	Ditto ditto.
Circular and Eastern Canals Division.	" G. J. R. Leeson	Ditto ditto.
Balasore Division	" A. Hayes	From 1st to 3rd April 1891.
	Ditto	" 31st December 1891 to 31st March 1892.
	Mr. A. Monies	" 4th April to 30th December 1891.

**ORISSA CIRCLE.**

Acquapada-Jajpur Division	Mr. J. P. Coy	From 1st April 1891 to 5th March 1892.
	Rai Kally Podo Sen Sahib	" 6th to 31st March 1892.
Brahmini-Byturni Division	Mr. D. B. Horn	" 1st April 1891 to 31st March 1892.
Puri Division	" J. R. Swinden	Ditto ditto.
Mahanuddy Division	" T. Butler	Ditto ditto.

**SONE CIRCLE.**

Arrah Division	Mr. W. A. Inglis	From 1st to 29th April 1891.
	Ditto	" 10th July to 5th August 1891. [On privilege leave from 6th August to 19th October 1891.]
	" B. E. Carter	" 30th April to 9th July 1891.
Gunduck Division	" O. C. Lees	" 6th August 1891 to 31st March 1892.
Dehree Workshop Division	" L. R. Fraser	" 1st April 1891 to 31st March 1892.
Eastern Sone Division	" A. S. Thomson	Ditto ditto.
Bazar Division	" K. H. Stephen	Ditto ditto.
	Mr. J. T. W. ...	From 1st April 1891 to 9th February 1892.

Circle or Division.	Name of Officer.	Period of charge.
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CANAL REVENUE OFFICERS.

Deputy Collector, Sonc Canals	Habu Saroda Prosad Chatterjee.	From 1st April 1891 to 31st March 1892.
Sub-Deputy Collector, Sonc Canals.	Habu Jugdum Sahai ...	Ditto ditto.
Ditto ...	" Siva Sankar Singh ...	Ditto ditto.
Ditto ...	" Jogesh Chunder Ghose ...	From 24th April 1891 to 29th February 1892.
Circle Officer, Sonc Canals ...	" Moti Lal ...	" 1st April 1891 to 31st March 1892.
Deputy Revenue Superintendent, Orissa.	" S. C. Roberts ...	Ditto ditto.
Deputy Revenue Superintendent, Midnapur.	" Koylash Chunder Ghose	Ditto ditto.
Supervisor, Calcutta Canals	Mr. W. R. Cooksey ...	Ditto ditto.

## THE MONSOON OF 1892.

THE following report is published for general information

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

*The 9th January 1893.*

*Secretary to the Govt. of Bengal.*

### METEOROLOGICAL SUMMARY FOR THE MONSOON PERIOD OF 1892.

THE following statement is intended to give a brief history of the more important features which have characterized the south-west monsoon period and the preceding months of 1892.

The most noticeable feature of the weather in January was the almost entire absence of rainfall in all districts, for the whole rainfall of the month consisted of a few local showers in some of the districts of South Bihar and North Bengal. This was caused by the unusual absence of anything like influential barometric depressions existing in or travelling from North-Western India, but the province was nevertheless affected by two feeble barometric depressions. Up to the morning of the 8th of January ordinary cold weather conditions obtained, but on the 9th a disturbance existing in North-Western India began to affect the pressure and temperature in Bengal. The depression moved in an easterly direction and reached Bengal about the 11th, the centre apparently passing near Berhampore. The depression continued to influence Bengal up to the 15th, when it filled up, and ordinary cold weather conditions again set in. On the 20th another depression appeared in North-Western India, and advanced towards Bengal, filling up in its advance, and it thus did not actually reach the province, though on the 23rd and 24th it influenced Bihar, giving clouded skies and light rainfall. Weather continued slightly disturbed up to the 27th, and then normal cold weather conditions set in up to the close of the month. In January barometric pressure was generally in excess by about a hundredth of an inch, the excess being largest in East Bengal, while temperature was also in excess of the normal in different districts by from 1° to 3°, the excess being largest in South Bihar and Chota Nagpur. Owing to the comparative absence of disturbed weather, cloud proportion was in defect in all districts except Bihar, but on the other hand humidity was in slight excess of the normal.

In February only one important barometric depression affected Bengal. This depression appeared over the Western Desert on the 10th, and advanced slowly in an east, south-easterly direction, and on the 13th its centre was near Agra and Delhi, and it was still a considerable storm. On the 14th it was near Cawnpur and Sutna, but on the 15th and subsequent days it filled up and disappeared. It gave disturbed weather and fairly general rain to Bengal, the greatest disturbance being from the 11th to the 16th instant. Several other but much more feeble barometric depressions appeared in North-Western India during this month, and advanced south-eastwards, but they caused little disturbance to the weather in Bengal, beyond giving high temperature and humidity, with low pressure and a few local rain showers. On the whole, therefore, the month of February was more free from disturbance than usual. The rainfall in this month varied from a little more than a quarter of an inch in Orissa, South-West and North Bengal, to about three-quarters of an inch in North Bihar, East Bengal, and South Bihar, while Chota Nagpur received 1·30 inches. The falls were in excess of the normal in Bihar and Chota Nagpur, and in defect elsewhere. In February pressure was in defect of the normal by about a twentieth of an inch, the defect being largest in South-West and North Bengal, where it equalled 0·07", and the variations from day to day were also decidedly large. Temperature on the other hand was in excess by from two to four degrees, the largest excess temperature being reported in North Bengal and South Bihar, while the variations of cloud proportion and humidity from the normal were small.

In March the weather was again decidedly more free from disturbance than usual. A very shallow barometric depression passed over the province in the early part of the month, reaching North Bengal on the 4th, and passing away

in an easterly direction, and giving light rain in East Bengal and also a few showers in Orissa. Fine settled weather, with steadily and rather rapidly increasing temperature, then set in up till the 25th, when a shallow low pressure area formed in Bihar and West Bengal, which gave rise to disturbed conditions, and then travelled in an easterly direction, so that local storms, with rain, occurred in East and North Bengal and North Bihar for two or three days and particularly on the 28th, after which again fine settled weather set in. A fall of an inch and a half of rain occurred in North Bengal, and an inch in East Bengal, while only a fifth of an inch was reported in North Bihar, and in all other districts rainfall was practically absent. Hence the rainfall of March was in defect of the normal in all districts except North Bengal, the defect equalling from an inch and a half to two inches in South-West and East Bengal, and being about an inch in Orissa and Chota Nagpur, while the defects were unimportant in Bihar.

In March, again, pressure was rather largely in defect of the normal, the defect averaging more than 0.08" and equalling nearly a tenth of an inch in South Bihar. The temperature was low in the early part of March, but it increased more rapidly than usual, and for the last three weeks was generally in excess of the normal, the mean temperature of the month showing 1° in excess. Also owing to the absence of disturbed weather cloud proportion was only about half the usual amount, and humidity was about 10 per cent. in defect of the normal.

At the commencement of April ordinary hot season conditions obtained, but the pressure distribution was a little anomalous, as there was a considerable excess of pressure in the north-east of the province, while the pressure decreased rapidly in amount towards the west. Hence winds were more easterly than usual. This distribution of pressure, however, rapidly changed, and from about the middle of the month two or three feeble low pressure areas formed in succession over the western part of the province, which afterwards extended to North Bengal and North Bihar, where at one time pressure was a quarter of an inch in defect. With this distribution of pressure, the southerly winds blowing from the Bay over Bengal became exceptionally strong, and these southerly winds brought up large amounts of moisture to the province, and gave rise to very numerous local storms, or nor'westers, with rain, which occurred during the second half of the month in East and North Bengal, and to a certain extent in South-West Bengal, Bihar, and Chota Nagpur. An average amount of from six to seven inches of rain fell in East Bengal, more than five inches in North Bengal, and about an inch in North Bihar, and in these three divisions the falls were in distinct excess of the normal. The fall in South-West Bengal averaged two inches and was slightly less than the normal, but in all other districts rainfall was very small in amount and largely below the normal.

Again, in April, the mean pressure for the month was in decided defect, the defect ranging from about a twentieth of an inch in South Bihar and Chota Nagpur to 0.02" in East and North Bengal. The mean temperature for the greater part of the month was in decided excess, and was 1.8° higher than the normal for April. Owing to the rather numerous local storms, cloud proportion was rather considerably in excess, but humidity was lower than usual in South-West and East Bengal, and above it in some other districts. On the whole, perhaps also, winds were rather more easterly than is usual in April.

In May after a week of ordinary hot weather conditions a feeble low pressure area formed over the western parts of the province, which filled up about the 14th, while again from the 20th to the 24th a second feeble low pressure area developed over part of Chota Nagpur and West Bengal. During these periods, and specially during and after the second one, conditions were very disturbed in Bengal, and very numerous nor'westers, with rain, occurred, particularly in South-West, East, and North Bengal. These local storms brought up about twelve inches of rain to both East and North Bengal, or amounts very considerably larger than the normal, while in South-West Bengal the fall averaged nearly five inches, or almost a normal amount. The fall in North Bihar was about two inches, or nearly an inch in defect, and Orissa also received nearly two inches, or about two inches less than usual. South Bihar and Chota Nagpur during May received only small amounts of rain.

In the south of the Bay winds began to strengthen at the Ceylon stations, owing to the advance of the south-west monsoon, from about the 10th of May,

and they blow fairly steadily and rather strongly almost to the close of the month. By about the 24th these winds had apparently reached well into the middle of the Bay, and two feeble barometric depressions were formed in front of this advance, one of which passed into the Gulf of Martaban and over Burma, where it gave heavy rain, while the second low pressure area which formed off the South Orissa and Ganjam coasts filled up without passing inland. At the close of May the monsoon current had advanced well into the north of the Bay, and there was every prospect of the early break of the monsoon in Bengal.

In May, again, the mean pressure was moderately in defect of the normal, the usual variation equalling about 0·03" to 0·05", and being fairly uniform over the whole province. Temperature in Bengal at the commencement of May was about 4·2° in excess of the normal, and it continued rather largely in excess in the second week, when Chota Nagpur registered the very large excess temperature of 9·2°. Towards the close of the month, however, temperature fell considerably, and became even below the normal, so that the mean temperature for the month was only about 2° in excess of the normal. It was also noticeable in May that both cloud proportion and humidity were higher than usual, and also that the easterly component in the wind direction was very strongly developed, while the southerly winds blowing from the Bay over Bengal were also exceptionally strong.

During the first five months of the year therefore, or in what may be called the pre-monsoon months, it will be seen that rainfall over the whole province was generally in defect of the normal, except perhaps in the eastern and northern districts, where in April and May rather heavy falls were received. Rainfall was thus practically entirely absent from the province in January, and only a few unimportant showers fell in February. In March light rain fell in East and North Bengal, and practically none in any other division, and in April and May moderate to large amounts of rain fell in East, North, and South-west Bengal, and very little elsewhere. Thus, in Orissa, for the whole of the pre-monsoon months rainfall was in large defect; in South-west Bengal there was also moderate to large defect for every month; in East Bengal rainfall was in defect in January, February, and March, and in considerable excess in April and May; in North Bengal there was excess in March, April, and May, and defect in January and February; and in Bihar and Chota Nagpur there was slight excess rainfall in February and defect for the remainder of the pre-monsoon period. This lightness of the rainfall over the province generally was brought about by the comparatively absence of disturbed or stormy weather in Bengal, and from the comparative absence and general lightness of the cold weather storms forming in North Western India. For practically the whole of the pre-monsoon period pressure was in defect of the normal, the general defect equalling nearly a twentieth of an inch, and this defect continued almost up to the close of May. The mean temperature was also in excess of the normal in each of these five months, the usual excess averaging nearly two degrees, while, on the other hand, humidity and cloud proportion were generally smaller than usual during the five months, January to May.

As stated previously, the meteorological conditions in Bengal at the end of May pointed to the early commencement of the south-west monsoon rains, as the current had reached well into the north of the Bay, and pressure in Bengal was below the normal, and hence favourable for its further advance over the land. Early in June, however, pressure increased moderately in Bengal, and became in excess of the normal, and hence conditions were less favourable for the further advance of the monsoon current over Bengal, though the monsoon winds continued to blow strongly in the centre and south of the Bay. At this time, that is about the 6th or 7th of June, a very severe cyclone commenced to form in the north-west angle of the Bay, which, after remaining nearly stationary, and intensifying rapidly for two or three days, began to move in a northerly or north-north-westerly direction, until it struck the coast near the mouth of the Hooghly at about 6-30 A.M. of the 10th of June, the centre passing about 30 or 40 miles to the west of Saugor Island. After striking the coast it recurved, and moved in a west-north-westerly direction, and finally filled up near Sutna on the 14th instant. The storm was an exceedingly violent one, and is described as one of the most severe of recent years, but it was exceedingly small, and the area of hurricane winds was

probably not more than 70 or 80 miles across. It did, however, comparatively little damage either at sea or on land, though it gave a small storm-wave over part of the Balasore district, and in passing over the land it very rapidly decreased in force and became of little importance. A small inrush of monsoon winds accompanied the advance of the storm, and rainfall became general over the province from the 8th to the 12th instant, but it then fell off in amount, and when the storm filled up and disappeared, there was a rapid rebound of pressure in Bengal, and it became in excess of the normal, and conditions became so unfavourable for the further general advance of the monsoon current over Bengal, that from the 18th to the 25th there was practically no rain in the province, except in the eastern and northern districts. From the latter date, however, which may be taken practically as the date of the commencement of the true monsoon season, rain became fairly general, though light, in all districts of the province. This date of the commencement of the rains is about ten to twelve days later than usual.

Rainfall during June was hence generally below the normal amount, except in the western districts, which were directly influenced by the cyclone, and in parts of the northern districts. The falls varied from about thirteen and fourteen inches in East and North Bengal, and eleven inches in Orissa, to only about five inches in South Bihar. For the whole province the falls may be said to have equalled about 95 per cent. of the normal. The falls, indeed, in North Bihar, Chota Nagpur, and Orissa were from ten to thirty per cent. in excess of the usual amounts, while North and East Bengal, South Bihar, and South-West Bengal showed defects varying from twenty-five to sixteen per cent. In certain smaller districts, indeed, the falls were less than two-thirds of the normal amount, and this was the case in Hooghly, Khulna, Chittagong, Dacca, Malda, Dinajpur, Jalpaiguri, Bhagalpur, and the Sonthal Parganas.

Notwithstanding the very low pressures which were recorded during the cyclone in the early part of the month, the mean pressure for June was in slight excess of the normal. Temperature for the whole province was about three-tenths of a degree in defect, though there were slight excess temperatures recorded in North and East Bengal, and South Bihar. The humidity recorded was generally above the normal by moderate amounts, but cloud proportion was practically normal.

In July the conditions in Bengal were for the greater part of the month very favourable for good and heavy rainfall. One very pronounced barometric depression, which indeed might be classed as a feeble cyclonic storm, formed in the Bay in the early part of the month, and crossed the coast near Balasore on the 10th, after which it moved in a westerly direction, and in its rear a heavy wave of monsoon winds swept over the province. Two feeble land-formed depressions passed through the province in the middle of the month, and also gave very heavy rain, while another very feeble depression was formed in the last week of the month in the north-west angle of the Bay, which passed across Orissa, but brought up little rain in its rear. A fairly steady and strong monsoon was blowing in the Bay for practically the whole month, and the monsoon current was also rather strong in Bengal. Hence, the general rainfall of the province was about four per cent. in excess of the normal. The heaviest rainfall was, however, deflected towards the north and north-east of the province, and North Bengal received the exceptionally heavy fall of 23·61 inches, which is nearly ten inches more than usual, or 68 per cent. in excess of the normal fall. The falls in Bihar and Chota Nagpur averaged about twelve inches and were practically normal, the fall in East Bengal equalled about fourteen inches, or two inches less than usual, and was 14 per cent. in defect, while in Orissa and South-west Bengal about ten inches of rain fell, and the amounts were about 10 to 17 per cent. in defect. Again, in some of the smaller districts the falls were much more deficient than indicated in the above general figures, and thus the defects in Howrah, Bankura, Chittagong, and Saran equalled nearly 30 per cent. of the normal, while in Balasore, Midnapore, and Dacca the defects equalled about 40 per cent.

In July the variations of barometric pressure in different parts of the month were unusually large, but the mean for the month was in defect by from 0·02" to 0·04", the defect being largest in South Bihar, Chota Nagpur, and Orissa, through which the depressions of the month generally passed, and being smallest in East and North Bengal. Temperature variations during the month were



unimportant, and the mean for the month was practically normal, but in the case of humidity and cloud proportion excess amounts were registered.

In August the monsoon current blowing in the Bay and over Bengal appears to have been about its normal strength, and it gave good general rain, and taking the rainfall of all the divisions, of the province into consideration, the amounts registered equalled 99 per cent. of the fall in normal years. The tendency of the heavy rainfall to localize itself in the north and north-east of the province, which was well marked in June and July, was still more strongly pronounced in August, and thus, while Bihar and North Bengal received falls of about 50 per cent. more than usual, the falls over the southern half of the province were from 30 to 40 per cent. in defect. At the commencement of August a fairly strong monsoon current was blowing from the Bay over Bengal, the inrush being caused by the indraught towards a depression which had passed inland over Orissa at the end of July. This indraught ceased with the filling up of the depression, and from about the 7th of August a slight and partial break in the rains set in over Orissa, South-West Bengal, and Chota Nagpur, and also over parts of East Bengal and South Bihar, which lasted up till about the 20th, but it was only from the 23rd or 24th that fairly general and heavy rain again set in. During this period there were no barometric depressions or storms forming either over the Bay or inland, and hence conditions were not very favourable for heavy rainfall, but from the 28th a depression began to form off the Gangam and Circars coasts, which developed slowly up till the 30th, when it had also advanced in a north-westerly direction and the centre was probably near Puri. During the evening of the 30th the feeble depression passed inland over Orissa, and on the 31st its centre was near Sambalpur. During the formation of this depression the rainfall-bearing current was again deflected towards it, and hence not allowed to sweep over Bengal, and thus towards the close of the month there was another slight and partial break in the rains, but after the depression had passed inland the monsoon current again began to sweep over Bengal, and heavy general rain recommenced, particularly in the south-western districts and Orissa. Thus, during August the number of barometric depressions formed either over the Bay or over the land area was remarkably small, and the month was on the whole a very quiet one, and, as indicated before, conditions were not very favourable for rainfall in the western, south-western, southern, and central districts of Bengal, though in the north of the province exceptionally heavy falls were received. Thus an average amount of more than twenty inches was recorded in North Bengal, or between six or seven inches more than usual. North Bihar also received nearly twenty inches, or more than eight inches in excess. South Bihar received fourteen inches, or two and a half inches more than usual, but all other districts were in defect. East Bengal only received ten inches, or five inches less than usual, while South-West Bengal, Orissa, and Chota Nagpur received from seven to nine inches, or from three to five inches in defect. In some of the smaller districts the defects were exceedingly large. Thus, defects of more than 60 per cent. of the normal rainfall were recorded in Howrah, Hooghly, Burdwan, Bankura, Singhbhum, and Manbhum, and of more than 50 per cent. in Midnapore, Chittagong, and Tippera, while falls of less than two-thirds of the normal were reported in Balasore, 24-Parganas, Birbhum, Nadia, Jessore, Faridpur, Dacca, and Hazaribagh. On the other hand, Purnea received a fall 113 per cent. in excess of the normal, Rangpur and Saran 96 per cent. in excess, and several other northern districts more than 50 or 60 per cent. in excess.

The pressure conditions in August were for the greater part of the time unfavourable for the free advance of the monsoon current over Bengal, for the general pressure of the province for the month was more than a twentieth of an inch in excess of the normal, and this excess was very strongly marked in such districts as Orissa, South-West Bengal, and East Bengal, where the rainfall was very deficient almost throughout the month. The variations of temperature for the month were again of little importance, and the mean temperature almost agreed with the normal. The humidity registered was also almost normal, while cloud proportion was distinctly below it.

The meteorology of September was characterized by the occurrence of three very distinct barometric depressions, or cyclonic storms, in the Bay, and by the formation of a very feeble low pressure area over South east Bengal

at the close of the month. This is perhaps quite as large a number of depressions as is usual, and three of them were also of moderate intensity. These small storms, however, brought up, on the whole, less rainfall than usual in such cases. The monsoon current blowing in the Bay of Bengal was also somewhat weak, and showed very unmistakable signs of weakness towards the close of the month, when it commenced to withdraw from the province at a decidedly earlier date than the normal, for the monsoon rains had practically closed in Bihar and Chota Nagpur on the 28th of September. Again, a very distinct break in the rains, which was fairly well established in all divisions of the province, commenced on the 13th instant, and lasted up to the 22nd. Hence the general rainfall of the province was very considerably in defect of the normal, and it only equalled about 73 per cent of the usual amount.

The principal condition determining the distribution of the rainfall in the province in September was the line of advance of the depressions from the Bay. The first formed on September 1st in the north-west angle of the Bay, and passed inland near Balasore on the evening of the 2nd. The second formed in the north of the Bay on the 7th, and passed inland on the 9th between False Point and Puri. The third depression formed near the centre of the Bay on the 18th, and crossed the coast on the evening of the 21st between Coconada and Masulipatam. These depressions, all of which were fairly influential, it will be seen, mainly affected the western and south-western parts of the province, or the districts of Orissa, South-West Bengal, and Chota Nagpur, and they gave moderate to heavy rain over this area. The fourth depression was a feeble one, which existed in South-East Bengal at the close of the month, but it, nevertheless, gave heavy rain to the whole of East Bengal.

The heaviest rainfalls in September occurred in Orissa and East Bengal, which received between nine and ten inches, and while the fall in Orissa was practically normal, that in East Bengal was nearly three inches below it. Chota Nagpur received rather more than eight inches, which was also almost the normal fall. South-West and North Bengal received about seven inches, or falls rather largely in defect, while in Bihar only about five inches fell, which was also largely in defect.

In the following districts the rainfall was practically 50 per cent. and upwards in defect of the normal:—Pabna, Rajshahi, Malda, Dinajpur, Rangpur, Kuch Bihar, Purnea, Bhagalpur, Darbhanga, Shahabad, Monghyr, and Lohardaga, while the falls were less than two-thirds of the normal in the following districts:—Howrah, Jessore, Dacca, Muzaffarpur, Champaran, and Saran.

The general barometric pressure for September was slightly in defect of the normal, the defect ranging from about 0.03" in the west and south-west of the province to 0.015" in East and North Bengal. The general temperature for the month was nearly normal in all districts, except Bihar and North Bengal, where excess temperatures of a degree to a degree and-a-half were registered. Cloud proportion and humidity were also practically normal in amount during the month.

At the beginning of October an area of low pressure existed over South-East Bengal. This feeble depression apparently marked the retreat of the south-west monsoon current southwards, and when on the 2nd of October the depression filled up, or passed away in an easterly direction, the south-west monsoon current rapidly retreated from the province altogether, and from the 4th of October it had ceased to affect Bengal, and the true monsoon rains may be said to have ceased from this date. During the slow retreat of the south-west monsoon current down the Bay the weather was rather disturbed, and no less than three barometric depressions and one cyclonic storm formed in the Bay, and moved across it in a westerly direction. These depressions, as usual, rather largely affected the weather in Bengal, but the rainfall brought up to the province by them was rather smaller than usual.

After the withdrawal of the monsoon current from Bengal on about the 4th of October a period of fine settled weather set in, which lasted for about a week, when a feeble depression formed to the east of the centre of the Bay, and moving in a westerly direction crossed the Madras coast on the 12th, but it was not well-defined, and was decidedly feeble. A second more influential depression also formed to the east of the Bay a few days after this,

and moved towards the Madras coast, crossing it near Nellore on the 17th. A small but severe cyclone then formed in the rear of the second depression, and, following in nearly the same path, crossed the Madras coast a little to the south of Coconada on the 20th. This was a very influential storm, and caused a wave of moisture-laden winds to advance northwards up the Bay and over Bengal, and this wave gave fairly general rain from about the 21st to the 27th, but about this latter date the moist wind current was again driven back to the Bay. The fourth depression also originated to the east of the centre of the Bay on the 27th, and advanced towards the west coast, and on the 29th an influential barometric depression crossed the coast between Nellore and Masulipatan. This depression in breaking up again caused a wave of moisture-laden winds to advance northwards up the Bay and over Bengal, but the moist winds did not penetrate as far as in the previous case, and it gave general rain to only the southern half of Bengal. This advance of humid winds spread over the southern districts on the 30th and 31st, when good general rain was again received on those days.

By these actions heavy rain was received in East Bengal, Orissa, Chota Nagpur, and South-West Bengal, and moderate rain in North Bengal and South Bihar, but practically little or no rain fell in North Bihar. The actual falls varied from between six and seven inches in Orissa and East Bengal, and from three to four inches in South-West Bengal and Chota Nagpur, to an inch in South Bihar and North Bengal, and a quarter of an inch in North Bihar. The falls in East Bengal, Chota Nagpur, and Orissa were in decided excess of the normal, but elsewhere they were in defect, the deficiency being large in North Bengal and Bihar. In the districts of Darbhanga, Muzaffarpur, Champaran, Saran, Shahabad, and Patna practically no rain at all fell, while in the following the falls only equalled a third or less than a third of the normal amounts:—Pabna, Bogra, Rajshahi, Dinajpur, Kuch Bihar, Jalpaiguri, Darjeeling, Purnea, Bhagalpur, Gaya, and Palamau. Falls of less than two-thirds the normal amount were also registered in Midnapore, Howrah, Nadia, Murshidabad, Mymensingh, Malda, Rangpur, Monghyr, and Sonthal Parganas.

In October the variations of pressure from the normal were very small, and did not average as much as a hundredth of an inch below the normal for the whole province; indeed the defect was only a few thousandths of an inch in all divisions except South Bihar and Chota Nagpur, where it slightly exceeded a hundredth of an inch. The changes of temperature during the month were unusually large, but the variations in different parts of the month to a great extent neutralized each other, and hence the mean temperature for the month for the whole province was only in excess of the normal by three-tenths of a degree. Cloud proportion in October, owing to the early withdrawal of the monsoon current, was much lower than usual, but humidity was about the ordinary amount.

In most years the meteorological summary of the monsoon season ends with the review of October's weather, but as the meteorology of the early part of November was decidedly important, the tables appended to this summary have been made up to include the first half of November. As stated previously, quite at the close of October a wave of humid winds, forced up by the action of a barometric depression which had formed in the Bay and had crossed towards the Madras coast, had advanced over the southern half of the province, and was giving heavy rain over this area. In connection with this advance of moist winds and disturbed weather, pressure fell so rapidly over Bengal, that at the beginning of November a feeble low pressure area existed over the south-western districts of the province, with a centre near Chaibassa and Balasore, on the 1st of the month, but which on the 2nd was near Calcutta and Jessore, and round which an irregular cyclonic circulation of winds existed. From the 3rd, however, the depression began to fill up, and by the 5th it had practically disappeared, and the pressure distribution rapidly became that which characterizes the beginning of the cold weather or north-east monsoon season in Bengal. During the existence of this depression exceedingly heavy rain fell in the southern districts of the province, and for the first four or five days of November an average rainfall of three and a half inches was reported in East Bengal, a fall of two and a half inches in South-West Bengal, a fall of about an inch in Orissa, and half an inch in Chota Nagpur, while North Bengal and Bihar were almost absolutely rainless. These figures, of course, in the case of South-West and East Bengal

represent many times the normal rainfall for the period. From the 5th of November, however, the moist current from the Bay finally withdrew from Bengal, and ordinary cold weather conditions were established from that date.

The principal features of the monsoon season of 1892 and of the previous months of the year have therefore been as follows:—

1. Except in January, when there was slight excess, the pressure of the pre-monsoon months up to and including May was rather considerably in defect of the normal, the usual defect equalling from 0·04" to 0·08".

2. Temperature was in distinct excess in each of the first five months of the year, the usual excess equalling from 1° to 3°.

3. The number of cold weather storms which occurred in the early part of the year was decidedly small, and those which did occur were of comparatively little importance.

4. The hot weather storms of the type called nor'westers were also not numerous in March or April, but fairly numerous in May.

5. Rainfall in the pre-monsoon period was very decidedly in defect of the normal in all divisions except East and North Bengal, in which districts rather heavy rain fell in April and May.

6. The first small, or preliminary burst, of the monsoon rains in Bengal was brought up by the action of a severe, but small, cyclone, which formed in the early part of June in the north-west angle of the Bay, and passed inland between Saugor Island and Balasore, but the effect of this inrush rapidly died away.

7. The monsoon current did not permanently establish itself in Bengal until the 24th or 25th of June, or about 10 or 12 days later than usual.

8. The strength of the monsoon current from the date of its establishment up to its withdrawal appeared to be fairly normal. The rainfall brought up by this current, however, was mainly deflected towards the north and north-east of the province.

9. The number of barometric depressions and feeble cyclonic storms formed during the south-west monsoon season was rather smaller than usual, and they, in the majority of cases, passed from the north-west angle of the Bay over Orissa and through Chota Nagpur, but the rainfall brought up by them was decidedly lighter than usual.

10. Hence, during the monsoon season, though the rainfall of the province taken as a whole was nearly normal, North Bengal and North Bihar received falls very largely in excess of the usual quantities, while all other divisions received defective falls, the defects being very large in some parts of South-West Bengal, Orissa, and Chota Nagpur. Parts of East Bengal also showed very deficient rainfall.

11. The monsoon current commenced to retreat from Bengal about a week earlier than usual, as general rainfall practically ceased in Bihar from the 27th or 28th of September, and in lower Bengal from about the 4th of October, and all rainfall in the province after this date practically was brought up by the action of cyclonic storms or barometric depressions in the Bay, which formed in front of the retreating south-west monsoon current, and which depressions afterwards advanced towards the west coast of the Bay.

12. As the monsoon current finally established itself in Bengal about ten days later than usual, and withdrew about a week before the normal period, the south-west monsoon season was a decidedly short one.

13. During October more barometric depressions and small cyclonic storms were formed in the Bay than usually occur, but the majority of them were of little importance. Only one fierce, but small storm formed, which crossed the west coast of the Bay near Coconada. Two of these disturbances, one in the middle of October, and one quite at the close of that month, caused a wave of humid winds to advance northward, and hence gave moderate to heavy rain in Bengal, and the rainfall in the second half of October and early in November was very important.

14. The rainfall brought up in this way was particularly heavy in Orissa, Chota Nagpur, South-West and East Bengal; smaller amounts extended to South Bihar and North Bengal, but North Bihar was practically rainless.

15. The following tables give briefly the amount and variation of the rainfall in each of the seven meteorological divisions, month by month, for the period from the 1st of May to 15th November inclusive.

*Actual Rainfall in inches.*

METEOROLOGICAL DIVISIONS.	May.	June.	July.	August.	September.	October.	1st—15th November.	Monsoon Season, 1892.
Orissa ...	1.93	11.64	10.40	7.98	9.88	6.26	0.98	49.07
South-West Bengal ...	4.82	8.51	10.62	7.33	7.00	3.93	2.44	44.65
North Bengal ...	12.72	13.24	23.61	20.29	6.78	1.22	0.03	77.89
East Bengal ...	11.16	14.32	14.35	10.53	9.29	6.43	3.44	69.52
North Bihar ...	2.13	8.95	12.93	19.70	4.44	0.25	Nil	48.40
South Bihar ...	0.86	5.43	11.96	13.88	5.22	1.00	0.05	38.40
Chota Nagpur ...	1.40	8.83	12.58	9.01	8.32	3.60	0.49	44.23

*Variation of actual Rainfall from the average in inches.*

Orissa ...	— 1.94	+ 2.85	— 2.10	— 3.43	— 0.37	+ 0.10	+ 0.07	— 4.82
South-West Bengal ...	— 0.58	— 1.63	— 1.38	— 5.38	— 2.04	— 0.40	+ 2.16	— 9.25
North Bengal ...	+ 4.20	— 4.33	+ 9.53	+ 6.42	— 6.64	— 3.16	— 0.11	+ 5.91
East Bengal ...	+ 1.90	— 3.84	— 2.25	— 5.43	— 2.79	+ 1.00	+ 2.67	— 8.74
North Bihar ...	— 1.00	+ 0.34	+ 0.75	+ 8.20	— 5.20	— 3.27	— 0.03	— 0.21
South Bihar ...	— 1.51	— 1.23	— 0.18	+ 2.44	— 2.76	— 2.30	— 0.07	— 5.62
Chota Nagpur ...	— 1.25	+ 0.85	— 0.58	— 4.55	— 0.39	+ 0.63	+ 0.28	— 5.01

*Variation expressed in a percentage of the normal fall.*

Orissa ...	— 50	+ 32	— 17	— 30	— 4	+ 2	+ 8	— 9
South-West Bengal ...	— 11	— 16	— 12	— 42	— 23	— 9	+ 771	— 17
East Bengal ...	+ 49	— 25	+ 68	+ 46	— 49	— 72	— 79	+ 8
North Bengal ...	+ 21	— 21	— 14	— 34	— 23	+ 18	+ 347	— 11
North Bihar ...	— 32	+ 4	+ 6	+ 71	— 54	— 93	— 100	— 1
South Bihar ...	— 64	— 18	— 1	+ 21	— 35	— 70	— 58	— 13
Chota Nagpur ...	— 48	+ 11	— 4	— 34	— 4	+ 21	+ 133	— 10

16. Finally, the rainfall of the whole province from May to the middle of November inclusive has averaged 53.17 inches, while the normal fall for the period is 57.13 inches. So that the actual fall has shown a defect of 3.96 inches. Expressed as a percentage, the actual rainfall of Bengal for the monsoon season of 1892 has equalled 93 per cent. of the normal amount.

METEOROLOGICAL OFFICE, BENGAL,  
The 10th December 1892.

A. PEDLER,  
Meteorological Reporter to the Govt. of Bengal.

**SUPPLEMENT TO THE CALOUTTA GAZETTE, JANUARY 11, 1893.**

**TABLE I.**

*Actual Monthly Rainfall of districts in Bengal for the months of May to 15th November 1892.*

[N. B.—The figures in this table are the arithmetical averages of the corresponding figures in the returns for the subdivisional stations.]

METEOROLOGICAL DIVISION.	DISTRICT.	May.	June.	July.	August.	September.	October.	1st—15th November.	Total
ORISSA	Puri	1.06	12.97	10.04	8.32	10.96	5.76	1.71	50.
	Cuttack	1.35	9.88	12.70	9.21	9.94	6.97	0.62	50.
	Balasore	3.03	12.22	8.74	6.73	9.11	5.99	0.79	46.
SOUTH-WEST BENGAL.	Midnapore	4.44	6.67	8.65	5.56	7.26	2.93	5.24	40.
	24 Parganas	4.07	8.17	13.02	7.89	8.83	4.64	3.54	50.
	Howrah	3.00	7.55	9.74	4.97	5.73	2.13	2.35	35.
	Hooghly	4.84	6.37	10.95	5.55	6.17	3.43	4.37	41.
	Nadia	6.12	8.22	8.10	6.10	6.43	2.87	1.64	39.
	Khulna	5.89	7.78	12.81	8.87	6.88	6.97	1.32	50.
	Jessore	7.18	9.33	10.59	7.61	5.30	6.82	4.24	51.
	Burdwan	3.39	9.66	10.21	6.28	7.05	4.10	1.57	42.
	Bankura	4.11	9.16	9.84	6.05	8.11	3.28	1.88	42.
NORTH BENGAL.	Birbhum	3.06	12.36	13.60	8.84	6.98	4.01	0.10	48.
	Murshidabad	5.26	8.33	9.54	10.35	6.95	2.01	0.08	42.
	Pabna	8.47	9.88	14.63	8.48	5.22	1.26	0.33	48.
	Bogra	6.18	10.72	15.32	12.30	7.35	1.13	0.01	53.
	Rajshahi	6.19	8.16	13.36	10.44	4.17	1.32	0.05	43.
	Malda	1.45	5.84	17.13	10.61	4.67	1.46	Nil	41.
	Dinajpur	4.56	8.49	22.50	19.18	5.49	1.05	Nil	61.
	Rangpur	16.71	14.84	27.37	24.04	6.06	1.67	Nil	90.
	Jalpaiguri	28.90	18.46	52.82	39.11	17.64	1.54	Nil	158.
EAST BENGAL.	Kuch Bihar	34.06	28.01	37.62	39.35	9.60	0.76	Nil	149.
	Darjeeling	17.37	29.67	50.98	31.95	21.76	2.98	0.31	155.
	Chittagong	13.63	18.96	21.38	13.29	18.36	15.43	2.94	106.
	Chittagong Hill Tracts	15.26	15.39	15.53	10.39	8.39	7.05	3.00	75.
	Backergunge	5.65	13.77	15.22	10.17	7.97	6.33	2.57	61.
	Noakhali	9.65	21.17	22.09	16.19	12.44	12.20	6.15	99.
	Faridpur	8.42	9.67	11.26	8.15	6.68	4.03	4.53	52.
	Dacca	8.83	8.27	8.60	8.21	6.90	5.38	5.22	51.
	Tippera	13.33	18.66	13.89	6.92	9.06	6.06	3.93	71.
NORTH BIHAR.	Mymensingh	16.18	14.10	13.14	13.64	9.30	3.04	0.89	70.
	Purnea	5.84	11.55	21.07	31.67	4.34	0.47	Nil	74.
	Bhagalpur	1.60	8.09	12.69	14.51	4.19	0.59	Nil	41.
	Darbhanga	1.52	8.09	12.69	19.23	3.48	0.01	Nil	45.
	Muzaffarpur	0.93	8.55	10.98	13.52	4.51	0.18	Nil	38.
	Champaran	2.38	13.16	16.78	22.17	5.38	Nil	Nil	59.
	Suran	0.79	5.95	8.52	19.65	5.09	0.03	Nil	40.
	Shahabad	0.26	6.03	9.92	14.82	3.08	0.23	0.12	34.
	Gaya	0.25	4.78	10.77	13.51	5.92	0.53	Nil	35.
SOUTH BIHAR.	Patna	0.27	5.18	10.96	22.45	5.24	0.22	0.01	44.
	Monghyr	0.59	5.12	12.34	11.14	3.97	1.53	Nil	34.
	Sonthal Parganas	2.28	5.67	14.95	9.03	7.17	2.21	0.06	41.
NORTA NAGPUR.	Hazaribagh	1.31	9.14	11.89	8.61	7.53	3.91	0.06	42.
	Lohardaga	0.78	10.09	12.99	12.05	6.46	5.76	0.39	48.
	Palamau	0.16	6.28	13.81	14.89	8.30	0.57	Nil	44.
	Singbhum	2.19	5.98	17.06	5.07	13.05	2.75	3.25	49.
	Munbhum	1.95	10.43	11.02	6.03	9.80	2.58	0.55	42.

TABLE II.

*Variation of the average district actual Monthly Rainfall from the normal average for the months of May to 15th November 1892.*

METEOROLOGICAL DIVISION.	DISTRICT.	May.	June.	July.	August.	September.	October.	1st-15th November.	TOTAL
ORISSA	Puri ...	-1.94	+4.55	-1.95	-3.56	+0.81	-2.42	+0.07	-4.4
	Cuttack ...	-2.16	+0.32	+0.39	-1.82	+0.61	+1.34	-0.15	-1.4
	Balasore ...	-1.72	+3.82	-4.27	-4.68	-1.99	+0.74	+0.12	-7.9
SOUTH-WEST BENGAL.	Midnapore ...	-0.60	-2.79	-4.67	-8.31	-1.62	-2.36	+4.96	-15.3
	21-Parganas ...	-1.52	-2.01	-0.17	-5.33	-0.77	-0.51	+3.18	-7.1
	Howrah ...	-2.70	-1.92	-3.29	-7.92	-2.75	-1.76	+2.05	-18.2
	Hooghly ...	-0.47	-3.05	-1.50	-7.88	-1.88	-0.80	+4.18	-11.6
	Nadia ...	-0.25	-1.50	-2.14	-5.93	-2.16	-1.34	+1.35	-11.4
	Khulna ...	-0.72	-5.45	-0.05	-3.48	-2.66	+2.25	+0.93	-9.1
	Jessore ...	+0.28	-2.44	+0.40	-4.11	-3.28	+2.58	+3.98	-2.6
	Burdwan ...	-1.18	+0.90	-1.15	-6.20	-0.52	+0.27	+1.31	-6.5
	Bankura ...	+0.28	-1.18	-3.45	-7.68	-0.06	-0.18	+1.55	-10.7
	Birbhum ...	-0.42	+1.72	+0.93	-4.10	-3.77	+0.54	-0.03	-5.1
NORTH BENGAL.	Murshidabad ...	0	-0.80	-1.31	-1.53	-3.45	-2.21	-0.14	-9.4
	Pabna ...	+1.36	-1.27	+4.06	-3.52	-5.20	-3.33	+0.08	-7.8
	Bogra ...	-1.61	-2.05	+2.57	+0.67	-3.01	-3.27	-0.30	-7.0
	Rajshahi ...	+0.32	-3.04	+1.77	-0.55	-7.69	-2.41	-0.13	-11.7
	Malda ...	-3.04	-6.02	+5.14	-1.41	-6.38	-2.23	-0.18	-14.1
	Dinajpur ...	-1.64	-5.13	+10.37	+7.46	-5.83	-2.50	-0.08	+2.7
	Rangpur ...	+5.48	-6.46	+13.38	+11.97	-7.38	-3.22	-0.08	+13.6
	Jalpaiguri ...	+16.94	-9.96	+27.16	+14.17	-6.29	-4.06	-0.08	+37.8
	Kuch Bihar ...	+20.48	-3.74	+17.88	+17.52	-10.52	-5.29	-0.03	+36.5
	Darjeeling ...	+6.52	+0.56	+16.13	+4.80	+3.12	-3.07	+0.14	+28.2
EAST BENGAL.	Chittagong ...	+3.63	-10.67	-6.68	-10.16	+4.04	+8.77	+1.45	-9.6
	Chittagong Hill Tracts ...	+5.73	-3.52	-3.51	-8.05	-4.33	+0.04	+1.49	12.1
	Backergunge ...	-2.01	-5.43	-2.76	-5.44	-4.15	+0.78	+1.44	-17.5
	Naakhali ...	-0.74	-6.15	-1.18	-8.48	-4.32	+5.83	+4.23	-10.8
	Faridpur ...	-0.17	-2.88	-0.64	-3.91	-2.37	-0.41	+4.24	-6.1
	Dacca ...	+0.03	-4.98	-5.52	-4.90	-3.27	+0.93	+4.69	-13.0
	Tipperra ...	+3.20	+2.21	+0.07	-9.05	-2.29	+0.95	+3.35	-1.5
NORTH BIHAR.	Mymensingh ...	+6.48	-3.50	-0.45	-0.24	-3.74	-2.37	+0.68	-3.1
	Purnea ...	+0.26	-1.62	+5.62	+16.90	-9.61	-3.15	-0.04	+8.3
	Bhagalpur ...	-1.71	-0.28	+1.65	+3.16	-4.79	-2.88	-0.08	-4.9
	Darbhanga ...	-1.11	+0.06	+1.10	+8.48	-5.77	-2.91	-0.02	-0.1
	Muzaffarpur ...	-1.53	+1.13	-0.44	-3.44	-4.48	-3.22	-0.04	-5.1
	Champaran ...	-0.21	+4.97	+5.21	+10.23	-3.92	-3.64	0	+12.7
SOUTH BIHAR.	Saran ...	-1.21	-0.47	-3.66	+9.36	-2.36	-4.18	-0.03	-2.5
	Shahabad ...	-1.06	+0.83	-1.47	+3.31	-3.99	-3.07	+0.01	-5.4
	Gaya ...	-1.62	-6.85	-1.46	+1.78	-0.87	-2.30	-0.14	-5.3
	Patna ...	-1.82	-1.06	-0.97	+11.97	-1.80	-3.63	-0.69	+3.2
	Monghyr ...	-1.74	-1.31	+0.27	-0.21	-3.94	-1.57	-0.10	-8.6
	Sonthal Parganas ...	-1.56	-3.28	+2.09	-2.89	-3.04	-1.54	-0.07	-10.2
CHOTA NAGPUR.	Hazaribagh ...	-1.15	+0.97	-1.63	+4.97	-1.54	+0.94	-0.16	-7.5
	Lohardaga ...	-2.07	+1.85	-0.12	-2.71	-2.98	+3.08	+0.22	-2.7
	Palamau ...	-1.25	+0.24	+1.25	+3.33	+0.48	-2.24	-0.33	+1.4
	Singbhum ...	-1.98	-2.32	+2.79	-8.76	+4.73	-0.20	+3.02	-2.7
	Manbhum ...	-0.82	+2.35	-1.05	-7.17	+2.11	-0.76	+0.40	-4.9

TABLE III.

*The variation of the average District Monthly Rainfall expressed as a percentage of the Normal Rainfall for the months of May to 15th November 1892.*

METEOROLOGICAL DIVISION.	District.	May.	June.	July.	August.	September.	October.	1st—15th November.	Tot.
ORISSA	Puri	—65	+54	—16	—30	+8	—30	+4	—
	Cuttack	—62	+3	+3	—17	+7	+24	—19	—
	Balasore	—36	+45	—33	—41	—18	+14	+18	—
SOUTH-WEST BENGAL.	Midnapore	—12	—29	—35	—60	—18	—44	+1,771	—
	24-Parganas	—27	—20	—1	—4	—8	—10	+883	—
	Howrah	—47	—20	—25	—61	—32	—45	+683	—
	Hooghly	—9	—32	—12	—59	—23	—19	+2,200	—
	Nadia	—4	—16	—20	—49	—25	—32	+466	—
	Khulna	—11	—41	—1	—28	—28	+48	+238	—
	Jessore	+4	—20	+4	—35	—38	+61	+1,531	—
	Burdwan	—26	+10	—10	—50	—7	+7	+504	—
	Bankura	+7	—11	—26	—56	—1	—5	+470	—
	Birbhum	—12	+16	+7	—32	—35	+16	—23	—
	Murshidabad		—9	—12	—13	—33	—52	—64	—
NORTH BENGAL.	Pabna	+19	—11	+38	—29	—50	—73	+32	—
	Bogra	—20	—16	+2	+6	—29	—74	—97	—
	Rajshahi	+5	—27	+15	—5	—65	—65	—72	—
	Malda	—68	—60	+43	—12	—58	—60	—100	—
	Dinajpur	—25	—38	+85	+61	—52	—70	—100	+
	Rangpur	+49	—30	+96	+99	—55	—66	—100	+
	Jalpaiguri	+142	—35	+106	+17	—26	—73	—100	+
	Kuch Bihar	+155	—12	+10	+80	—52	—87	—100	+
	Darjeeling	+60	+2	+46	+18	+17	—60	+82	+
EAST BENGAL	Chittagong	+36	—36	—22	—43	+28	+132	+97	—
	Chittagong Hill Tracts	+60	—19	—18	—44	—34	+1	+99	—
	Backergunge	—26	—28	—15	—35	—34	+14	+127	—
	Noakhali	—7	—23	—5	—31	—26	+92	+220	—
	Faridpur	—2	—23	—5	—32	—26	—9	+1,492	—
	Dacca	—1	—38	—39	—37	—32	+21	+885	—
	Tippera	+32	+13	+1	—57	—20	+19	+578	—
	Mymensingh	+67	—20	—3	—2	—29	—44	+324	—
NORTH BIHAR	Purnea	+5	—12	+36	+114	—69	—87	—100	+
	Bhagalpur	—52	—3	+15	+28	—53	—83	—100	—
	Darbhanga	—12	+1	+9	+79	—62	—100	—100	—
	Muzaffarpur	—62	+15	—4	+31	—50	—95	—100	—
	Champarau	—8	+61	+45	+86	—42	—100	—100	+
	Saran	—61	—7	—30	+91	—32	—99	—100	—
SOUTH BIHAR	Shahabad	—80	+16	—13	+29	—56	—93	+9	—
	Gaya	—86	—15	—12	+15	—13	—81	—100	—
	Patna	—87	—17	—8	+114	—26	—93	—90	—
	Monghyr	—75	—20	+2	—2	—50	—51	—100	—
	Sonthal Parganas	—41	—37	+16	—24	—30	—41	—51	—
CHOTA NAGPUR.	Hazaribagh	—47	+12	—12	—37	—17	+32	—73	—
	Lohardaga	—73	+22	—1	—18	—32	+115	+129	—
	Palamau	—89	+4	+10	+29	+6	—80	—100	—
	Singbhum	—47	—28	+20	—63	+57	—7	+1,313	—
	Manbhum	—30	+29	—9	—54	+27	—23	+267	—



TABLE IV.

*Monthly Rainfall of the Subdivisional Rainfall-recording Stations in the Province of Bengal for the months of May to 15th November 1892.*

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	1st—15th November.	TOTAL.
ORISSA	Puri	Puri ...	Nil	11·36	8·76	6·96	8·24	6·97	3·36	45·65
		Khurda ...	1·37	12·67	10·63	9·71	8·44	4·78	0·17	47·77
		Rhanpur ...	0·71	12·14	11·87	10·94	11·73	6·12	Nil	53·51
		False Point ...	2·17	15·69	8·90	5·67	15·43	5·18	3·29	56·33
		Gop ...	Nil	6·17	10·55	7·08	10·26	6·44	1·75	42·25
		Satpara ...	0·03	11·88	8·83	7·15	7·49	6·30	2·07	43·75
		Pipli ...	0·45	9·06	8·03	12·26	9·25	4·66	1·36	45·07
	Cuttack	Jagatsingapore ...	0·34	7·34	14·41	10·35	10·45	9·02	0·76	52·67
		Banki ...	1·85	9·14	15·34	10·58	8·20	3·65	0·94	49·70
		Cuttack ...	1·75	11·78	12·45	6·37	9·20	12·47	0·30	54·38
		Kendrapara ...	0·54	10·34	12·34	8·20	7·77	6·29	0·93	46·41
		Jaipur ...	2·27	10·79	9·05	10·57	14·07	3·40	0·12	50·27
		Dharmala ...	1·12	10·39	13·05	8·28	19·60	3·50	0·15	56·09
		Salipore ...	0·43	7·03	15·25	13·49	8·58	3·95	1·60	50·33
		Pal Lahara ...	?	9·10	24·07	4·74	11·67	2·70	0·68	52·96
	Balasore	A. quapada ...	2·80	12·75	7·90	9·22	15·73	2·34	1·21	51·95
		Chandbally ...	1·50	15·88	8·15	8·52	4·61	3·35	1·36	43·37
		Bhuddruck ...	2·92	17·08	8·06	10·09	10·46	6·12	0·33	55·96
		Sorah ...	3·95	15·24	6·10	4·93	10·72	5·73	0·75	47·42
		Balasore ...	2·58	9·49	7·54	5·54	12·34	9·73	1·09	48·31
		Jellasore ...	2·79	8·60	8·42	8·29	7·75	3·56	0·80	40·21
		Baripodah ...	4·35	6·14	14·14	3·03	8·77	7·47	0·42	44·32
	Midnapore	Contai ...	3·11	8·28	7·52	6·25	9·58	4·03	6·49	45·26
		Tamluk ...	4·26	4·48	8·92	6·79	6·92	2·35	3·40	37·12
		Midnapore ...	3·29	6·72	6·27	5·51	6·87	3·15	4·83	36·69
		Ghatal ...	7·11	7·19	11·87	3·67	5·67	2·19	6·17	43·87
		Kukrahaty ...	5·98	7·31	18·73	13·14	9·55	2·01	3·17	59·89
		Garbetta ...	3·51	11·01	11·40	5·81	4·89	2·25	1·56	40·43
	24-Parganas	Saugor Island ...	1·69	7·44	6·71	9·99	13·89	7·28	7·42	54·42
		Diamond Harbour ...	7·89	8·70	21·86	12·99	9·69	2·19	6·17	69·49
		Canning Town ...	2·69	19·31	19·87	16·03	8·69	4·39	7·15	78·13
		Alipore Observatory ...	4·45	9·00	10·26	8·86	7·60	3·35	1·74	45·26
		Barrackpore ...	2·67	6·20	10·05	7·60	5·85	4·73	3·92	41·02
		Dum-Dum ...	3·90	10·00	13·72	4·96	11·16	2·48	2·10	48·32
		Barasat ...	4·60	7·68	10·24	4·38	8·35	5·19	2·13	42·57
SOUTH-WEST BENGAL.	Basirhat	Basirhat ...	3·31	8·14	18·27	6·48	5·26	7·23	1·29	49·98
	Howrah	Howrah ...	3·02	9·37	10·56	6·30	6·37	1·55	1·54	39·01
		Mohesreka ...	2·98	5·72	8·62	3·65	5·09	2·70	3·15	31·91
		Ulubaria ...	3·88	8·54	12·02	8·48	10·89	2·34	2·52	48·67
	Hooghly	Serampore ...	3·57	6·61	11·15	8·28	4·67	4·51	5·85	44·64
		Hooghly ...	5·18	4·74	7·61	4·75	7·44	3·95	4·05	37·72
		Jahanabad ...	5·78	7·75	14·08	3·63	6·39	1·84	3·21	42·68
	Nadia	Ranaghat ...	5·38	8·71	10·52	4·49	5·63	3·81	2·71	41·25
		Krishnaghur ...	2·24	8·61	6·28	3·38	4·55	3·52	2·62	31·20
		Chundaunga ...	9·74	7·40	5·07	5·68	?	?	?	27·89
		Meherpore ...	4·47	9·76	8·03	10·13	7·99	1·84	0·43	42·65
		Kushia ...	8·75	6·62	10·62	6·80	7·56	2·30	0·80	43·45
	Khulna	Satkhira ...	5·57	5·68	10·01	8·18	8·48	6·32	0·68	44·92
		Bagerhat ...	6·66	8·68	13·66	10·80	6·96	8·03	1·67	56·46
		Khulna ...	5·45	8·97	14·76	7·64	5·20	6·56	1·60	50·18
		Nakipore ...	4·67	12·07	11·19	11·35	9·50	4·70	2·19	58·67
		Rampal ...	3·89	11·93	12·80	10·05	8·54	5·74	1·01	53·96

**SUPPLEMENT TO THE CALCUTTA GAZETTE, JANUARY 11, 1893.**

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	1st—15th November	TOTAL.
SOUTH- WEST BENGAL concl'd.	Jessore ...	Narail ...	6.39	10.94	12.11	6.59	2.81	6.01	3.34	48.1
		Jessore ...	8.12	10.54	8.45	4.61	5.96	6.63	7.71	52.0
		Jhenidah ...	8.80	8.60	10.13	10.07	5.77	8.77	2.15	54.2
		Magura ...	6.62	10.00	12.79	10.31	3.45	5.24	3.76	52.1
		Bangaon ...	5.97	6.59	9.45	6.48	8.51	7.47	4.25	48.7
	Burdwan ...	Kalna ...	3.80	9.01	10.68	7.39	5.25	6.11	3.33	45.5
		Burdwan ...	3.92	10.73	7.94	3.48	6.81	3.92	1.93	38.7
		Katwa ...	3.15	5.50	13.84	6.71	6.39	3.09	0.84	39.5
		Raniganj ...	2.68	13.89	8.37	7.54	9.73	3.28	0.19	45.1
		Mankur ...	3.16	5.99	8.29	5.73	5.08	0.98	0.93	39.1
	Bankura ...	Bankura ...	5.30	10.03	9.33	3.88	6.57	4.29	1.90	41.3
		Vishnupur ...	5.12	8.11	10.40	5.97	8.47	3.45	2.44	43.9
		Maliara ...	1.60	8.78	7.17	7.20	6.77	1.07	0.32	32.9
		Khatra ...	4.40	9.72	12.47	7.14	10.64	4.30	2.84	51.5
		Indas ...	5.82	7.40	14.06	6.92	5.08	3.66	1.98	44.9
		Kotalpore ...	1.89	9.62	11.74	8.87	2.02	1.91	1.75	37.8
		Onda ...	5.07	9.26	11.83	5.08	2.80	4.00	0.80	38.8
		Gangajalyhati ...	2.50	8.77	9.43	6.92	5.17	2.25	0.60	35.6
		Raipore ...	3.20	9.85	13.49	5.65	10.16	7.24	1.68	51.2
		Sonamukhi ...	4.21	13.05	8.24	4.78	3.30	4.73	2.47	40.7
	Birbhum ...	Suri ...	2.42	16.78	14.69	2.36	5.90	1.74	0.08	50.9
		Hotampore ...	2.83	9.44	16.00	9.62	7.06	4.82	0.15	49.8
		Rampur Hat ...	3.94	10.85	10.10	7.53	7.97	5.46	0.08	45.6
		Bolpur ...	2.50	16.29	9.81	6.32	6.82	0.99	1.26	43.9
		Morarai ...	6.04	10.03	10.96	6.67	7.75	1.10	Nil	42.6
	Murshid- abad.	Kandi ...	2.97	8.42	9.80	9.48	7.81	2.31	0.22	41.0
		Berhampore ...	4.64	10.38	9.39	15.78	8.24	1.49	0.14	50.0
		Lalbagh ...	8.06	11.90	7.16	9.70	7.68	3.26	0.13	47.8
		Azimgunge ...	5.45	9.09	13.41	3.10	6.82	2.44	Nil	40.8
		Jangipur ...	4.68	5.76	8.84	11.15	5.14	1.39	0.01	36.8
		Lalgola ...	5.75	4.45	8.62	12.90	6.00	1.15	Nil	38.8
		Akhrigunge ...	5.99	5.68	8.57	4.47	6.60	0.94	0.11	32.2
	Pabna ...	Patkabari ...	4.30	7.80	8.00	4.70	3.30	2.80	0.40	31.8
		Pabua ...	8.15	8.13	11.31	6.02	4.91	1.78	0.52	40.8
	Bogra ...	Sirajganj ...	8.78	11.63	17.95	10.93	5.54	0.73	0.14	55.7
		Sherpur ...	6.46	9.26	14.97	10.36	5.62	1.21	Nil	47.8
	Bogra ...	Nowkhilla ...	7.93	11.81	17.47	12.83	10.41	1.41	Nil	61.8
		Bogra ...	6.13	9.49	15.02	13.51	8.23	0.99	0.02	53.3
		Panchbibi ...	4.20	12.32	13.82	12.50	5.14	0.91	Nil	48.8
NORTH BENGAL	Rajshahi ...	Bonlia ...	4.73	6.09	6.51	11.40	4.93	1.37	0.07	35.1
		Nator ...	9.71	9.95	19.72	9.44	4.48	0.98	0.08	54.2
		Naogaon ...	4.14	8.45	13.84	10.47	3.11	1.60	Nil	41.6
		Lalpur ...	5.97	11.28	7.38	8.69	3.01	0.58	Nil	36.6
		Mandu ...	3.85	8.07	14.35	16.17	3.10	0.14	Nil	45.0
	Malda ...	Malda ...	0.94	7.66	16.02	8.46	6.60	2.65	Nil	42.9
		Chanchal ...	1.96	4.01	18.23	12.77	2.75	0.27	Nil	39.4
		Gajol ...	2.49	9.44	21.41	14.72	4.67	1.87	Nil	54.1
		Sibgunj ...	4.23	4.42	9.27	8.37	5.92	1.45	0.05	33.7
	Dinajpur ...	Mohadebpore ...	3.32	8.52	12.26	15.68	5.27	1.68	Nil	46.7
		Churamon ...	3.80	5.51	29.16	17.20	3.92	0.62	Nil	60.2
		Raigunge ...	4.72	8.73	29.03	24.51	7.03	0.84	Nil	74.6
		Dinajpur ...	7.98	13.22	22.27	23.58	2.74	0.50	Nil	70.2
		Balurghat ...	2.96	6.45	19.76	14.92	8.42	1.63	Nil	54.1
		Thakurgaon ...	10.15	19.95	22.91	29.92	7.22	0.47	Nil	50.6
	Rangpur ...	Bhawanigunge ...	17.33	14.19	13.71	13.29	4.62	0.70	Nil	63.8
		(Gyabanda).								
		Rangpur ...	16.34	14.23	24.93	23.20	7.43	3.54	Nil	94.6
		Kurigaon ...	17.75	20.52	22.08	23.18	5.63	0.21	Nil	89.3
		Bugdogra ...	15.42	10.40	48.76	31.50	6.55	2.21	Nil	114.8
	Rangpur ...	(Nilphamari).								
		Ulipora ...	26.61	18.05	18.76	18.83	6.83	0.38	Nil	89.4

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	1st.—15th November.	TOTAL.
NORTH BENGAL— concd.	Jalpaiguri ...	Jalpaiguri ...	28.90	18.46	52.82	39.11	17.64	1.54	Nil	158.47
		Alipore Doar ...	28.46	27.20	50.80	40.34	14.51	Nil.	Nil	161.31
		Phallacotta ...	28.21	16.79	34.73	50.90	12.24	1.21	Nil	144.08
		Debigunj ...	14.49	19.75	26.92	32.73	11.00	1.27	Nil	106.16
		Bhagulpore (Nagarkatta). ...	38.82	26.21	51.99	36.86	26.70	8.03	0.64	189.25
	Kuch Bihar ...	Dinhatia ...	30.86	27.80	32.34	34.10	7.24	0.03	Nil	132.37
		Kuch Bihar ...	46.22	29.39	41.05	39.97	10.81	0.33	Nil	167.77
		Mickilgunge ...	27.77	30.32	36.29	45.64	9.54	1.45	Nil	151.01
		Matubhanga ...	31.39	24.53	40.81	37.68	10.79	1.23	Nil	146.43
	Darjeeling ...	Buxa ...	31.96	44.48	82.09	51.28	44.78	9.77	1.06	265.42
		Siliguri ...	14.89	32.72	47.78	35.85	18.01	0.99	0.16	150.40
		Darjeeling ...	12.79	25.60	43.23	26.25	12.55	1.02	Nil	121.44
		Kalimpong ...	9.86	15.88	30.82	14.41	11.71	0.14	Nil	82.82
		Kurseong ...	12.28	26.71	53.70	29.73	19.20	2.16	0.60	144.38
EAST BENGAL.	Chittagong...	Cox's Bazar ...	15.03	28.36	32.95	18.64	19.64	17.40	0.90	132.92
		Chittagong ...	12.22	9.56	15.81	7.94	17.08	13.46	4.97	81.04
		Kutubdia ...	11.88	20.77	24.23	15.32	14.03	17.96	5.23	109.42
		Satkanga ...	9.41	18.53	24.26	9.70	8.47	9.10	2.10	81.57
	Chittagong Hill Tracts.	Rangunati ...	15.26	15.39	15.53	10.39	8.39	7.05	3.00	75.01
		Bandarban ...	11.72	19.21	16.90	12.08	7.48	8.03	2.86	78.28
	Backergunge.	Patuakhali ...	4.22	13.46	19.32	15.91	7.92	7.08	2.44	70.35
		Pirojpur ...	5.43	12.19	11.30	6.33	6.54	5.69	2.76	50.24
		Barisal ...	7.31	13.38	12.94	9.46	9.27	5.64	2.41	60.41
		Gournadhi ...	9.40	9.49	11.80	6.46	4.53	3.10	3.40	48.18
		Bhola ...	5.66	16.07	17.30	8.99	8.14	6.89	2.66	65.71
		Daulatkhan ...	9.24	16.33	24.25	11.16	10.52	10.55	5.17	87.22
	Noukhali ...	Bauphal ...	10.05	14.63	18.76	13.03	10.35	7.43	2.21	76.46
		Noukhali ...	7.07	25.13	23.88	19.76	14.73	11.19	6.54	108.30
		Fenny ...	12.24	17.21	20.29	12.64	10.15	13.22	5.75	91.50
		Harishpore ...	9.02	32.37	21.24	34.31	21.66	17.89	6.01	142.50
		Ramganj ...	6.11	13.83	13.30	9.96	9.28	6.74	5.99	65.21
	Faridpur ...	Madaripur ...	9.71	11.16	10.73	5.08	7.11	3.87	4.45	52.11
		Faridpur ...	8.55	8.26	11.64	9.58	7.16	5.36	6.11	56.66
		Goulundo ...	7.00	9.59	11.40	9.80	5.76	2.85	3.02	49.42
	Dacca ...	Munshiganj ...	10.06	9.53	9.08	9.07	9.14	7.45	3.80	58.43
		Dacca ...	9.38	7.51	8.08	6.07	5.25	5.35	7.12	48.74
		Naraingunge ...	9.34	9.24	7.87	9.56	9.05	6.11	5.51	56.68
		Manikganj ...	6.54	6.79	9.38	8.14	3.86	2.59	4.43	41.73
		Joydehpore ...	9.16	9.63	8.16	7.33	5.77	2.01	2.94	45.47
	Hill Tippera ...	Agaitola ...	12.00	15.98	12.18	6.30	9.42	2.28	4.72	688
	Tippera ...	Comillah ...	11.88	16.55	15.96	7.31	6.56	7.88	3.06	69.20
		Chandpore ...	15.52	24.98	19.28	8.34	7.29	5.09	4.21	84.71
		Brahmunbaria ...	13.93	17.11	8.14	5.74	12.95	8.99	3.73	70.59
		Ramchandrapore ...	4.60	8.15	5.83	1.96	4.00	4.80	3.17	32.51
		Nasirnagar ...	9.10	16.88	8.06	6.09	13.69	7.84	3.65	65.31
		Daudikandi ...	7.86	9.62	12.58	3.90	3.73	2.78	2.05	42.62
		Kusha ...	6.34	12.72	11.73	7.98	6.92	8.30	5.69	59.68
		Laksham ...	11.59	20.70	13.25	10.22	9.25	5.61	4.15	74.68
	Mymensingh ...	Kishoregunge ...	19.82	15.32	8.11	13.40	9.54	3.19	3.37	72.75
		Atia (Tangail) ...	9.03	8.40	8.62	6.90	7.23	3.02	0.56	43.76
		Mymensingh ...	18.48	14.87	13.51	11.89	7.02	2.00	0.24	68.01
		Janmulpore ...	11.39	11.10	16.83	16.16	11.17	2.09	Nil	68.74
		Netrokona ...	22.16	20.83	18.63	19.87	11.55	4.90	0.28	98.22
		Saharnakhally ...	6.73	10.98	10.93	11.53	13.32	1.40	0.29	55.18
		Dargapore ...	23.68	33.57	26.87	31.20	24.55	7.96	Nil	147.83
		Sherpur Town ...	14.68	18.30	22.74	19.95	8.55	4.37	Nil	88.59
		Dewanganj ...	15.75	16.61	10.93	16.07	3.28	1.53	Nil	67.17

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	1st—15th November.	TOTAL.
NORTH BIHAR.	Purnea	Kishanganj ...	6.99	9.09	18.90	39.22	4.69	1.33	Nil	80.22
		Araria ...	5.28	17.21	21.88	32.68	3.19	0.05	Nil	80.29
		Purnea ...	5.24	8.36	22.44	23.10	5.14	0.03	Nil	64.31
		Gondwara (Korah) ...	2.84	7.57	18.14	20.17	3.56	Nil	Nil	52.28
		Bursoe ...	5.14	8.36	29.02	17.20	7.00	Nil	Nil	66.72
		Forbesganj ...	8.09	10.32	18.26	32.88	2.97	0.42	Nil	72.94
		Kaliaganj ...	11.39	14.40	31.83	29.23	...	Nil	Nil	...
	Bhagalpur	Madhipura ...	2.02	10.63	13.57	16.59	3.38	0.25	Nil	46.44
		Bangson (Sylabad) ...	0.38	6.85	11.88	22.50	2.12	Nil	Nil	43.73
		Supaul ...	2.71	12.64	11.35	17.59	3.34	Nil	Nil	47.63
		Pratapganj ...	5.41	9.58	15.20	19.09	2.75	Nil	Nil	52.03
		Bhagalpur ...	0.47	5.20	8.18	14.90	2.31	0.49	Nil	31.58
		Banka ...	1.20	3.90	17.66	8.94	7.69	1.61	Nil	41.00
		Colganj ...	0.54	6.89	14.58	9.34	3.06	1.54	Nil	35.95
	Darbhanga	Tajpur ...	0.50	6.40	9.47	17.50	5.27	Nil	Nil	39.14
		Darbhanga ...	2.00	7.80	11.19	24.15	3.02	0.02	Nil	48.18
		Madhubani ...	2.06	10.08	17.41	16.04	2.15	Nil	Nil	47.74
		Bahera ...	0.60	9.78	10.57	24.23	4.88	Nil	Nil	50.06
		Rosera ...	0.07	3.66	9.31	19.77	2.93	Nil	Nil	35.74
	Muzaffarpur	Sitamarhi ...	1.81	12.46	13.16	12.11	5.92	Nil	Nil	45.46
		Muzaffarpur ...	0.73	8.39	10.44	12.47	4.09	Nil	Nil	36.12
		Hajipur ...	0.26	4.79	9.35	15.97	3.51	0.54	Nil	34.42
		Para ...	1.35	8.21	10.44	18.48	4.43	Nil	Nil	42.91
		Mohua ...	0.38	8.86	9.31	18.75	2.46	0.08	Nil	39.84
		Sinhar ...	1.28	8.16	15.23	15.17	4.76	Nil	Nil	44.60
		Pupri ...	1.18	14.40	11.21	?	1.84	Nil	Nil	28.63
	Champaran	Motihari ...	3.54	15.89	19.14	24.18	5.95	Nil	Nil	68.70
		Bettiah ...	1.21	10.43	14.42	20.96	4.81	Nil	Nil	51.83
		Bagaha ...	0.82	9.87	9.83	29.51	2.83	Nil	0.09	52.95
		Burhura ...	0.57	9.65	9.00	21.39	3.41	Nil	Nil	44.02
	Sarun	Gopalganj ...	0.90	5.08	9.96	18.43	6.55	Nil	Nil	40.92
		Siwan ...	0.26	5.17	8.81	17.08	5.25	Nil	Nil	36.57
		Chapra ...	1.22	7.60	6.78	23.43	3.46	0.09	Nil	42.58
	Shahabad	Buxar ...	0.15	5.32	8.81	21.52	2.72	0.08	0.60	39.20
		Dehri ...	0.16	6.98	13.09	12.46	1.52	0.36	Nil	34.57
		Bhabhna ...	0.29	5.12	8.75	11.54	2.56	0.21	Nil	28.77
		Sasaram ...	Nil	7.14	8.86	12.02	2.42	0.23	Nil	30.97
		Arrah ...	0.70	5.00	10.09	16.50	6.19	0.29	Nil	38.83
		Mohammud ...	Nil	1.88	8.11	21.53	2.32	Nil	Nil	33.84
		Khiri ...	Nil	7.53	11.34	22.60	2.53	Nil	Nil	44.00
		Agesson ...	Nil	6.05	11.58	12.08	4.64	Nil	Nil	34.35
		Ramagar ...	Nil	5.12	8.72	13.48	5.71	Nil	Nil	33.03
		Konth ...	0.09	4.53	8.76	12.34	4.69	1.12	Nil	30.93
		Sikrool ...	Nil	1.71	4.43	17.53	2.36	Nil	Nil	26.03
		Bassawan ...	Nil	4.35	13.08	10.98	4.00	1.11	Nil	33.52
		Monahurpur ...	Nil	5.03	9.72	19.01	1.89	0.08	Nil	35.73
SOUTH BIHAR.	Gaya	Aurangabad ...	0.06	5.18	10.48	12.09	5.28	0.74	Nil	33.83
		Gaya ...	0.57	5.33	12.98	16.36	5.77	0.41	Nil	41.42
		Nawadah ...	0.38	6.32	8.38	11.81	6.08	0.81	Nil	33.78
		Jahanabad ...	Nil	2.29	11.22	13.79	6.53	0.16	Nil	33.99
		Arwal ...	Nil	4.93	12.43	10.27	4.35	0.30	Nil	32.28
		Daudnagar ...	Nil	3.75	8.80	9.55	1.69	Nil	Nil	23.79
		Sherghati ...	Nil	4.13	5.18	14.57	12.98	0.99	Nil	37.85
		Rajauli ...	0.07	4.03	12.74	16.48	4.08	2.95	Nil	40.35
		Pakri Barawan ...	0.15	3.07	9.27	10.85	4.60	0.19	0.23	28.36
		Patna ...	0.45	5.29	11.20	23.57	4.69	0.12	0.02	45.34
		Dinapore ...	0.21	3.94	12.78	30.94	3.39	Nil	Nil	51.26
	Patna	Bihar ...	0.40	4.72	9.67	18.37	8.15	0.30	Nil	41.81
		Barh ...	Nil	6.76	10.18	16.72	4.72	0.45	Nil	38.83
		Bickram ...	0.20	3.71	7.28	11.41	5.93	0.20	Nil	28.73
		Hilsa ...	0.80	2.93	6.29	16.82	3.91	0.27	Nil	31.02

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	1st—15th November.	TOTAL.
SOUTH BIHAR —concl'd.	Monghyr ...	Begusarai ...	0.27	4.39	9.08	11.59	3.61	2.20	Nil	31.14
		Monghyr ...	0.35	5.32	12.57	12.16	3.69	1.55	Nil	35.64
		Jamui ...	1.15	5.64	15.38	9.66	4.61	0.84	Nil	37.28
		Gopri ...	0.15	1.56	12.04	10.92	2.13	0.57	Nil	27.37
		Shaikpura ...	0.15	4.77	13.95	11.50	6.42	1.20	Nil	37.99
		Chahai Bumba ...	?	?	?	13.78	4.20	1.22	Nil	19.20P
	Sonthal Par- ganah.	Rajmabal ...	0.75	5.65	9.94	10.00	3.23	1.55	Nil	31.12
		Godda ...	1.74	4.57	23.13	7.81	6.97	0.48	Nil	44.70
		Pakaur ...	4.10	6.49	7.10	7.73	7.52	5.46	Nil	38.40
		Naya Dumka ...	3.13	6.73	14.24	6.77	7.65	3.17	0.06	41.75
		Deoghur ...	1.01	5.71	15.91	15.57	6.31	0.50	Nil	45.01
		Jamtara ...	2.97	4.88	19.36	6.28	11.31	2.09	0.32	47.21
		Belbadda ...	?	5.46	13.11	11.63	?	0.97	Nil	...
		Namihat ...	1.85	4.25	19.90	?	4.55	0.12	Nil	...
	Hazaribagh	Pachamba (Giridih) ...	1.36	5.63	11.75	8.54	7.96	3.07	Nil	38.31
		Hazaribagh ...	0.88	9.48	17.12	7.24	7.86	2.66	0.02	45.26
		Semtagurah ...	1.20	8.94	6.80	6.88	6.84	3.77	Nil	34.43
		Mahudi Hills ...	0.83	9.84	7.98	12.47	7.17	4.96	0.09	43.34
		Jhumra Hill ...	2.30	11.80	15.80	7.90	7.80	5.10	0.20	50.90
		Barhi ...	0.77	5.83	8.58	15.27	6.95	1.24	Nil	38.64
		Chatra ...	0.25	7.87	11.52	15.20	6.13	1.45	Nil	42.42
		Karagdeha ...	1.24	6.97	14.18	13.14	7.33	1.04	0.13	44.03
		Ramgar ...	2.00	6.92	10.31	7.67	6.01	3.27	Nil	36.18
	Lohardaga	Lohardaga ...	0.45	9.26	14.02	12.27	4.61	5.82	Nil	46.43
		Ranchi ...	1.11	10.91	11.96	11.82	8.31	5.70	0.78	50.59
		Silli ...	...	11.65	...	...	...	...	...	...
CHUTIA NAGPUR.	Palamau ...	Palamau ... (Daltonganj).	0.16	6.28	13.81	14.89	8.30	0.57	Nil	44.01
		Salumath ...	0.22	9.03	12.44	19.15	7.52	3.58	0.01	51.95
		Husainabad ...	1.00	7.34	12.25	16.71	6.99	0.62	Nil	44.91
		Garwah ...	0.15	4.48	16.29	18.86	5.26	1.33	Nil	46.37
	Singbhum	Ohalbassa ...	2.19	5.98	17.06	5.07	13.05	2.75	3.25	49.35
		Chakardharpur ...	?	?	?	3.10?	11.66	4.04	2.03	20.83?
		Ghatsila ...	1.99	8.63	11.80	5.57	9.35	2.15	2.00	41.49
		Baharagura ...	1.39	8.31	12.36	9.10	9.31	2.95	3.00	46.42
	Manbhum	Purulia ...	1.74	12.46	13.00	3.11	9.23	3.65	0.70	43.89
		Gobindpur ...	2.16	8.39	9.03	8.95	10.36	1.51	0.40	40.80
		Raghuuathpur ...	2.64	10.05	17.70	8.83	8.85	1.54	0.15	49.76
		Barabhum ...	1.02	14.78	11.90	4.55	7.50	3.83	2.05	45.63
		Jhalka ...	1.02	14.08	6.69	3.31	5.09	2.06	0.42	32.67
		Chas ...	1.83	5.72	11.60	9.48	14.06	2.50	0.23	45.42
		Pandra ...	1.01	7.71	12.39	9.65	11.54	1.32	0.11	43.73

TABLE V.

*Variation of the subdivisional actual Monthly Rainfall from the Normal Average for the months of May to 15th November 1892.*

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	1st-15th November.	TOTAL.
ORISSA	Puri	Puri	-2.58	+3.38	-1.63	-2.28	-1.78	-1.84	+1.77	-4.96
		Khurda	-2.14	+3.17	-2.19	-2.72	-1.93	-2.11	-1.00	-8.92
		Bhanpur	-1.35	+4.97	+1.21	-1.17	+2.67	-0.19	-1.98	+4.21
		False Point	-1.67	+6.68	-5.19	-8.05	+4.28	-5.52	+1.41	-8.06
	Cuttack	Jagatsingpur	-2.65	+0.11	+3.38	+0.23	+1.95	+2.22	+0.14	+5.38
		Bunki	-0.24	-1.14	+3.55	-0.13	-0.64	-0.76	+0.21	+0.85
		Cuttack	-2.45	+0.26	-0.91	-4.71	-0.87	+6.84	-0.42	-2.26
		Kendrapara	-3.37	+1.47	+0.07	-4.36	-1.60	+0.63	+0.33	-7.43
		Jajpur	-2.22	+0.91	-4.07	-0.13	+4.20	-1.67	-0.23	-3.21
	Balasore	Chandbally	-3.49	+8.10	-3.74	-2.54	-6.58	-3.11	+0.26	-11.10
		Bhadrak	-2.24	+9.07	-3.97	-0.57	-0.19	+1.51	-0.45	+3.16
		Sorah	-1.14	+8.46	-6.17	-6.10	-0.52	+0.23	+0.17	-5.07
		Balasore	-2.39	+0.78	-6.39	-6.88	+0.43	+3.32	+0.38	-10.75
		Jollasore	-0.58	+0.63	-6.73	-2.53	-2.73	-1.00	+0.55	-12.39
		Baripodah	-0.56	-4.10	+1.37	-9.43	-2.34	+3.54	-0.16	-11.68
	Midnapore	Contai	-1.46	-1.23	-7.51	-7.44	-1.69	-4.33	+5.89	-17.77
		Tamluk	-0.81	-4.78	-3.06	-7.01	-1.40	-2.11	+3.13	-16.04
		Midnapore	-1.84	-2.10	-6.27	-7.02	-0.30	-1.63	+4.68	-14.48
		Ghatal	+1.73	-3.05	-1.87	-11.79	-3.10	-1.38	+6.11	-13.35
	24 Parganas	Saugor Island	-2.97	-2.60	-9.82	-5.07	+1.93	-2.38	+6.64	-14.27
		Diamond Harbour	+2.73	-1.17	+7.05	-1.18	-1.44	-2.94	+5.87	+8.92
		Alipore (Observatory)	-0.97	-1.37	-3.18	-4.65	-2.31	-1.07	+1.47	-12.68
		Barrackpore	-2.57	-4.40	-2.11	-4.47	-1.62	+1.17	+3.48	-10.52
		Dum-Dum	-2.03	+0.06	+1.82	-7.73	+2.30	-1.89	+1.91	-5.56
		Barasat	-1.45	-1.86	-0.65	-7.56	-0.69	+0.68	+1.87	-9.64
		Basirhat	-3.35	-2.74	+5.67	-6.60	-3.58	+2.82	+0.99	-6.79
SOUTH-WEST BENGAL.	Howrah	Howrah	-2.14	-0.54	-1.65	-5.91	-1.98	-2.79	+1.27	-13.74
		Mohesroka	-3.27	-3.31	-4.93	-9.92	-3.51	-0.74	+2.83	-22.85
	Hooghly	Serampore	-1.41	-3.13	-1.64	-4.06	-3.29	+0.32	+5.68	-7.53
		Hooghly	-0.59	-4.42	-4.47	-7.16	+0.29	-0.14	+3.86	-12.63
		Jahanabad	+0.61	-1.60	+1.60	-12.40	-2.65	-2.56	+3.00	-14.00
	Nadia	Ranaghat	+0.12	-0.92	+0.36	-8.07	-1.32	+0.03	+2.35	-7.45
		Kishnaghur	-3.59	-0.20	-3.86	-7.85	-3.35	-0.67	+2.29	-17.23
		Chandanga	+2.00	-1.84	-5.14	-6.43	?	?	?	-11.41?
		Meherpur	-1.35	+0.04	-1.79	-2.18	-0.07	-1.84	+0.30	-6.89
		Kushtia	+1.56	-4.59	-0.26	-5.16	-2.77	-2.69	+0.59	-13.32
	Khulna	Satkhira	-0.71	-6.82	-2.34	-4.23	-0.40	+1.62	+0.35	-12.53
		Bagorhat	-0.28	-5.57	-1.08	-1.67	-3.05	+2.78	+1.20	-7.67
		Khulna	-1.17	-3.96	+3.26	-4.53	-4.53	+2.36	+1.24	-7.33
	Jessore	Narnil	-0.40	-0.27	+3.06	-4.05	-4.50	+2.39	+2.97	-0.80
		Jessore	+0.77	-2.20	-2.90	-7.77	-2.78	+2.25	+7.47	-5.16
		Jhenidah	+2.27	-4.15	+0.43	-2.65	-3.34	+3.94	+1.92	-1.58
		Mingura	-1.33	-1.77	+2.54	+0.43	-5.27	+1.43	+3.58	-0.39
		Bangaon	+0.09	-3.78	-1.16	-6.50	-0.52	+2.92	+3.99	-4.96
	Burdwan	Kalna	-1.06	+0.58	+0.11	-4.09	-1.39	+2.19	+2.99	-0.67
		Burdwan	-1.06	+2.43	-3.24	-9.32	-1.26	-0.03	+1.65	-10.87
		Katwa	-2.16	-4.42	+3.90	-5.32	-1.91	-0.95	+0.56	-10.30
		Raniganj	-0.45	+5.01	-5.35	-6.06	+2.47	-0.13	+0.06	-4.45

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	1st-15th November.	TOTAL
SOUTH- WEST BENGAL —concl'd.	Bankura ...	Bankura ...	+1.43	+0.68	-3.14	-10.44	-1.41	+0.14	+1.73	-11.04
		Vishnupur ...	+0.33	-2.39	-1.64	-8.05	-0.63	+0.74	+2.31	-9.30
		Maliara ...	-1.65	-1.52	-6.94	-6.06	+0.25	-2.20	-0.04	-18.16
		Khatra ...	+1.01	-1.47	-2.11	-6.13	+1.55	+0.59	+2.17	-4.39
	Birbhum ...	Suri ...	-1.30	+6.31	+1.99	-4.29	-4.51	-1.93	-0.03	-3.76
		Hetampur ...	-0.22	-1.98	+1.56	-2.82	-3.78	+1.95	+0.02	-5.27
		Rampur Hat ...	+0.27	+0.83	-0.78	-5.19	-3.02	+1.58	-0.08	-6.39
	Murshidabad ...	Kandi ...	-1.58	-1.12	-2.20	-2.05	-1.76	-1.62	-0.10	-10.43
		Berhampore ...	-0.90	+1.11	-0.99	+3.60	-2.67	-2.99	-0.10	-2.94
		Lalbag ...	+2.57	+3.72	-3.14	-2.58	-3.00	-1.27	-0.18	-3.88
		Azimganj ...	+0.20	-0.44	+3.07	-9.60	-2.88	-2.27	-0.19	-12.11
		Jangipur ...	-0.32	-2.96	-2.15	-0.43	-5.64	-1.91	-0.07	-13.48
		Lalgola ...	+0.03	-5.10	-2.64	+1.88	-4.76	-3.22	-0.20	-14.01
	Pabna ...	Pabna ...	+1.20	-2.77	+1.14	-6.76	-6.06	-3.02	+0.38	-15.89
		Sirajganj ...	+1.51	+0.23	+6.98	-0.30	-4.33	-3.65	-0.21	+0.23
	Bogra ...	Sherpur ...	-2.02	-3.16	+1.96	-1.89	-4.63	-2.97	-0.54	-13.25
		Nowkhilla ...	+1.01	-1.08	+6.10	+2.02	+0.61	-3.71	-0.47	+4.51
		Bogra ...	-2.24	-4.78	+1.05	+1.58	-2.52	-2.99	-0.20	-10.10
		Panchbibi ...	-3.20	+0.84	+1.16	+0.97	-5.54	-3.40	-0.01	-9.18
	Rajshahi ...	Boalia ...	-0.71	-3.56	-5.16	-0.65	-6.34	-3.07	-0.08	-19.57
		Nator ...	+2.89	-0.30	+7.86	-2.72	-7.16	-3.48	-0.18	-3.09
		Naugaoon ...	-1.22	-5.24	+2.59	+1.72	-9.57	-0.69	-0.13	-12.54
NORTH BENGAL.	Malda ...	Malda ...	-3.19	-3.48	+4.61	-1.49	-4.90	-1.73	-0.16	-10.34
		Chanchal ...	-2.90	-8.57	+5.67	-1.32	-7.85	-2.73	-0.19	-17.89
	Dinajpur ...	Mahadebpur ...	-2.92	-4.28	+0.85	+2.11	-6.04	-1.35	-0.08	-11.68
		Churaman ...	-0.90	-0.36	+17.26	+6.65	-8.76	-1.80	-0.12	+5.97
		Raiganj ...	-1.51	-5.65	+16.78	+11.77	-3.51	-2.94	-0.06	+14.86
		Dinajpur ...	+0.76	-3.25	+8.82	+11.41	-8.40	-4.63	-0.06	+4.62
		Balurghat ...	-3.13	-6.03	+8.13	+5.30	-2.42	-1.77	-0.09	-0.06
	Rangpur ...	Bhawaniganj (Gaibanda). ...	+8.44	-1.80	+1.47	+3.06	-7.35	-4.42	-0.06	-0.66
		Rangpur ...	+6.12	-5.28	+8.45	+16.14	-6.18	-1.78	-0.09	+17.38
		Kurigaon ...	+3.97	-2.97	+8.59	+12.11	-7.03	-4.20	-0.15	+10.32
		Bagdogra (Nilphamari). ...	+3.39	-15.79	+35.03	+16.58	-8.97	-2.48	-0.02	+27.74
	Jalpaiguri ...	Jalpaiguri ...	+16.94	-9.96	+27.16	+14.17	-6.29	-4.06	-0.08	+37.88
	Kuch Bihar ...	Dinhatta ...	+16.90	-2.23	+18.78	+16.59	-11.29	-5.11	-0.03	+33.61
		Kuch Bihar ...	+31.46	-7.45	+18.49	+18.52	-11.79	-5.10	-0.05	+43.90
		Mickliganj ...	+15.62	+2.07	+15.85	+21.07	-10.35	-2.52	Nil	+41.74
		Mutabuanaga ...	+18.73	-7.34	+18.42	+13.90	-8.50	-5.07	-0.03	+30.11
	Darjeeling ...	Buxa ...	+11.63	-0.74	+34.08	+9.23	+13.30	-0.41	+0.71	+67.77
		Siliguri ...	+6.09	+4.95	+14.87	+13.52	+3.08	-3.31	+0.02	+39.18
		Darjeeling ...	+4.21	+1.60	+13.16	+0.80	-5.11	-5.94	-0.07	+8.65
		Kalimpong ...	+4.19	-3.55	+2.40	-4.31	+1.23	-2.53	-0.12	-2.72
EAST BENGAL	Chittagong...	Cox's Bazar ...	+4.67	-5.95	-7.19	-8.49	+4.53	+9.68	-1.00	-3.75
		Chittagong ...	+2.59	-15.38	-6.16	-11.83	+3.50	+7.86	+3.89	-15.47
	Chittagong Hill Tracts.	Rangamati ...	+5.13	-3.52	-3.51	-8.05	-4.33	+0.04	+1.49	-12.75
	Baquerigunge ...	Patuakhali ...	-4.06	-8.90	-2.16	-1.14	-5.44	+1.09	+1.08	-19.53
		Pirojpur ...	-1.67	-4.24	-4.78	-8.43	-4.79	-0.06	+1.74	-22.23
		Barisal ...	-0.72	-3.12	-2.79	-2.95	-2.41	+0.66	+1.41	-9.92
		Bhola ...	-1.58	-5.42	-1.32	-9.21	-3.98	+1.40	+1.54	-18.60

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	1st—15th November.	TOTAL.
EAST BENGAL. —concl'd.	Noakhali ...	Noakhali ...	-2.75	-0.94	-0.09	-5.57	-3.07	+4.33	+5.02	-3.07
		Fenny ...	+1.27	-11.35	-2.27	-11.37	-5.56	+7.34	+3.44	-18.50
	Faridpur ...	Madaripur ...	+0.47	-2.14	-1.25	-7.17	-1.39	-0.31	+4.16	-7.63
		Faridpur ...	0.85	-4.23	-0.21	-2.99	-2.88	+1.06	+5.83	-3.77
		Goulundo ...	-0.63	-2.27	-0.47	-1.57	-2.85	-1.98	+2.73	-7.04
	Daoca ...	Munshiganj ...	+0.63	-6.31	-6.66	-5.81	-2.80	+1.99	+3.19	-15.77
		Dacca ...	+0.43	-5.86	-5.16	-6.49	-4.74	+1.10	+6.68	-13.74
		Narsinganj ...	+1.14	-4.72	-7.82	-3.90	-1.30	+1.66	+4.79	-10.15
		Manikganj ...	+2.31	-3.05	-2.42	-3.39	-4.27	-1.36	+4.08	-12.72
	Hill Tippera	Agartola ...	+1.26	+1.54	+0.36	-7.02	-1.08	-3.02	+4.63	-3.93
	Tippera ...	Comillah ...	+1.53	-2.58	-1.02	-10.34	-4.81	+3.65	+2.35	-11.25
		Chandpur ...	+6.90	+8.21	+3.77	-11.89	-4.53	-1.05	+3.73	+5.14
		Brahmanbaria ...	+3.12	+1.65	-2.83	-6.93	+1.26	+4.23	+3.28	-3.78
	Mymensingh	Kishorganj ...	+9.63	-3.75	-4.97	+0.22	-3.57	-2.11	+3.03	-1.52
		Atia (Tangail) ...	+1.99	-4.76	-2.48	-5.11	-2.57	-1.95	+0.37	-14.51
NORTH BIHAR.		Mymensingh ...	+7.45	-4.13	-0.92	-1.89	-7.17	-3.69	-0.04	-10.39
		Jumalpur ...	+2.60	-3.89	+4.36	+2.71	-2.89	-2.94	-0.22	-0.27
		Netrokona ...	+10.70	-0.95	+1.77	+2.90	-2.49	-1.16	+0.24	+11.01
	Purnea ...	Kishanganj ...	+0.67	-6.24	+2.41	+23.01	-9.39	-2.03	-0.02	+8.41
		Araria ...	-0.61	+4.50	+5.90	+19.02	-10.57	-3.48	-0.03	+14.70
		Purnea ...	+0.73	-3.10	+8.55	+8.66	-8.88	-3.94	-0.06	+1.96
	Bhagalpur ...	Mudhipura ...	-2.04	+1.97	+2.08	+4.80	-6.92	-4.06	-0.03	-4.20
		Supaul ...	-1.18	+3.31	+0.40	+5.27	-6.43	-2.88	Nil	-1.51
		Bhagalpur ...	-2.12	-2.51	-2.98	+4.75	-5.26	-2.71	-0.21	-11.04
		Banka ...	-1.48	-3.88	+7.05	-2.19	-0.54	-1.87	-0.07	-2.98
	Darbhangha	Tajpur ...	-1.85	-1.18	-2.72	+7.15	-2.74	-3.16	-0.04	-4.54
		Darbhangha ...	-0.58	-0.12	-0.70	+12.76	-6.56	-2.97	-0.01	+1.82
		Madhubani ...	-0.90	+1.49	+6.72	+5.53	-8.02	-2.62	Nil	+2.20
	Muzaffarpur	Sitamarhi ...	-0.85	+4.43	+2.57	+2.36	-3.84	-2.74	Nil	+1.93
		Muzaffarpur ...	-1.99	+0.86	-1.37	+2.13	-5.88	-3.47	-0.05	-9.77
		Hajipur ...	-1.73	-1.90	-2.50	+5.82	-3.72	-3.44	-0.06	-7.53
SOUTH BIHAR.	Champaran	Motihari ...	+1.04	+8.00	+8.69	+12.65	-3.21	-3.49	Nil	+23.68
		Bettiah ...	-1.47	+1.94	+1.74	+8.62	-4.63	-3.58	Nil	+2.62
	Saran ...	Gopalganj ...	-1.74	-1.35	-2.55	+8.25	-0.39	-5.01	-0.03	-2.82
		Siwan ...	-1.58	-1.64	-2.92	+6.30	-3.27	-4.02	-0.04	-7.17
		Chapra ...	-0.30	+1.58	-5.52	+13.52	-3.44	-3.51	-0.05	+2.30
	Shahabad ...	Buxar ...	-0.88	+0.36	-2.26	+11.30	-4.47	-3.27	+0.54	+1.32
		Dehri ...	-1.26	+2.33	+1.84	-0.32	-6.15	-2.53	-0.04	-6.13
		Bhabua ...	-0.87	+0.16	-3.56	-0.17	-4.11	-3.07	-0.33	-11.95
		Sasaram ...	-1.17	+2.27	-2.46	+0.13	-4.52	-3.45	-0.05	-9.25
		Arrah ...	-1.10	-0.95	-0.94	+5.63	-0.68	-2.99	-0.05	-1.08
	Gaya ...	Aurangabad ...	-1.62	-0.64	-1.62	-0.43	-1.93	-2.01	-0.12	-8.37
		Gaya ...	-1.07	-0.83	+0.12	+4.94	-1.55	-1.95	-0.22	-0.56
		Nawadah ...	-1.64	+0.87	-3.33	+1.08	-0.89	-1.86	-0.09	-5.86
		Jahanabad ...	-1.74	-2.77	-1.02	+1.56	+0.87	-3.39	-0.14	-6.63
	Patna ...	Patna ...	-1.75	-1.59	-0.39	+12.95	-2.40	-3.21	-0.03	+3.58
		Dinapore ...	-1.48	-2.58	+1.39	+19.61	-3.45	-3.26	-0.05	+10.18
		Bihar ...	-1.80	-1.76	-2.03	+7.97	+1.62	-2.92	-0.13	+0.05
		Barh ...	-2.26	+1.68	-2.04	+7.34	-2.98	-2.73	-0.15	-1.14
	Monghyr ...	Dogusarni ...	-2.02	-1.85	-2.03	+1.65	-3.66	-0.97	-0.21	-9.09
		Monghyr ...	-2.16	-1.23	+0.22	-0.53	-5.32	-1.97	-0.07	-11.06
		Jamui ...	-1.04	-0.85	+2.63	-1.75	-2.84	-1.77	-0.03	-5.65



METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	1st—15th November.	TOTAL.
SOUTH BIHAR —contd.	Sonthal Par- ganaa.	Rajmahal ...	—4.30	—4.81	—2.99	+0.12	—9.01	—1.76	—0.11	—22.86
		Godda ...	—1.86	—2.24	+12.06	—3.89	—2.56	—2.59	—0.05	—1.13
		Pakour ...	—0.21	—4.01	—5.34	—3.96	—5.23	+0.95	—0.05	—17.85
		Naya Dumka ...	—0.35	—2.13	+0.80	—0.58	—2.98	—0.91	—0.12	—12.27
		Deoghur ...	—2.14	—2.75	+2.31	+3.30	—2.42	—3.83	—0.09	—5.62
		Jamtara ...	—0.48	—3.72	+5.70	—6.32	+3.95	—1.13	+0.02	—1.98
	Hazaribagh	Pachamba ... (Giridih).	—0.93	—2.57	—0.80	—3.80	—0.86	—0.09	—0.16	—9.21
		Hazaribagh ...	—1.46	+2.36	+4.13	—0.17	—0.72	—0.60	—0.17	—2.63
		Senitgurah ...	—1.38	+1.33	—6.01	—4.14	—1.33	+0.81	—0.22	—10.95
		Mahudi Hills ...	—1.38	+2.27	—4.38	—2.27	—1.71	+2.41	—0.24	—5.30
		Jhumra Hill ...	—0.59	+1.46	—1.07	—8.48	—3.12	+2.17	+0.03	—9.60
CHOTA NAGPUR.	Lohardaga	Lohardaga ...	—2.08	+1.43	+1.53	—2.94	—5.09	+3.45	—0.07	—3.77
		Ranchi ...	—2.06	+2.26	—1.76	—2.49	—0.86	+2.72	+0.51	—1.68
	Palamau ...	Palamau ... (Daltonganj).	—1.25	+0.24	+1.25	+3.33	+0.48	—2.24	—0.33	+1.48
	Singbhum ..	Chaibassa ...	—1.98	—2.32	+2.79	—8.76	+4.73	—0.20	+3.02	—2.72
	Manbhum ...	Purulia ...	—1.83	+3.78	+0.78	—10.80	+1.10	+0.56	+0.54	—5.87
		Gobindpore ...	+0.20	+9.91	—2.89	—3.55	+3.11	—2.07	+0.26	—4.03

TABLE VI.

*Percentage variation of the monthly Rainfall of the subdivisional Rainfall-registering Stations in Bengal from the Normal Average Rainfall for the months of May to 15th November 1892.*

METEOROLOGICAL DIVISION.			District.	Station.	May.	June.	July.	August.	September.	October.	1st-15th Novem-ber.	TOTAL.
ORISSA	Puri	Puri	...	-100	+42	-16	-25	-18	-21	+111	-10	
		Khurdah	...	-61	+33	-17	-22	-19	-31	-85	-16	
		Bhanpur	...	-66	+69	+11	-10	+29	-3	-100	+9	
		False Point	...	-43	+74	-37	-50	+38	-52	+75	-13	
	Cuttack	Jagatsingpur	...	-89	+2	+31	+2	+23	+33	+23	+11	
		Banki	...	-12	-11	+30	-1	-7	-17	+29	+2	
		Cuttack	...	-58	+2	-7	-43	-9	+121	-54	-4	
		Kendrapara	...	-86	+17	+1	-35	-17	+1	+55	-14	
		Jajpore	...	-49	+9	-31	-1	+43	-33	-66	-6	
	Balasore	Chandbaly	...	-70	+104	-31	-23	-59	-48	+24	-20	
		Bhudrak	...	-43	+102	-33	-5	-2	+33	-57	+6	
		Sorah	...	-20	+125	-50	-55	-5	+4	+29	-10	
		Balasore	...	-48	+9	-46	-55	+4	+52	+54	-18	
		Jellasore	...	-17	+8	-44	-23	-26	-22	+22	-24	
		Baripodah	...	-11	-40	+11	-76	-21	+90	-27	-21	
	Midnapore...	Contai	...	-32	-13	-50	-54	-15	-52	+382	-28	
		Tamluk	...	-16	-52	-26	-51	-17	-47	+1,154	-3	
		Midnapore	...	-36	-24	-50	-56	-4	-34	+2,340	-28	
		Ghatal	...	+32	-30	-14	-76	-35	-39	+10,185	-23	
	24-Parganas	Saugor Island	...	-64	-26	-59	-34	+16	-25	+851	-21	
		Diamond Harbour	...	+53	-12	+48	-8	-13	-57	+1,957	+15	
		Alipore	...	-18	-13	-24	-34	-23	-24	+544	-21	
		(Observatory).	...									
		Barrackpore	...	-49	-42	-17	-37	-22	+33	+791	-20	
		Dum-Dum	...	-34	+1	+15	-61	+26	-43	+1,005	-10	
Barasat		...	-24	-19	-6	-63	-8	+15	+719	-18		
Howrah	Basirhat	...	-50	-25	+45	-50	-40	+64	+330	-12		
	Howrah	...	-41	-5	-13	-48	-24	-64	+470	-26		
	Moheureka	...	-52	-37	-36	-73	-41	-22	+884	-42		
Hooghly	Serampore	...	-28	-32	-13	-33	-41	+8	+3,341	-14		
	Hooghly	...	-10	-48	-37	-60	+4	-3	+2,032	-25		
	Jahanabad	...	+12	-17	+13	-77	-29	-58	+1,429	-25		
Nadia	Ranaghat	...	+2	-10	+4	-64	-20	+1	+653	-15		
	Kishnaghur	...	-62	-2	-38	-70	-42	-16	+694	-36		
	Chuadanga	...	+26	-20	-50	-53	?	?	?	-215		
	Meherpur	...	-23	+1	-18	-18	-1	-50	+231	-14		
	Kushtia	...	+22	-41	-2	-43	-27	-54	+281	-23		
Khulna	Satkhira	...	-11	-55	-11	-34	-5	+31	+100	-22		
	Bagerhat	...	-4	-39	-7	-13	-30	+53	+253	-12		
	Khulna	...	-18	-31	+28	-37	-47	+56	+344	-13		
Jessore	Narail	...	-6	-2	+34	-38	-62	+66	+803	-2		
	Jessore	...	+10	-17	-26	-63	-32	+51	+3,115	-9		
	Jhenidah	...	+35	-33	+4	-21	-37	+82	+823	-3		
	Magura	...	-17	-15	+25	+4	-60	+38	+1,981	-1		
	Bangaon	...	+2	-36	-11	-50	-6	+64	+1,533	-9		
Burdwan	Kalna	...	-22	+7	+1	-36	-21	+56	+871	-1		
	Burdwan	...	-21	+29	-29	-73	-16	-1	+583	-22		
	Katwa	...	-41	-45	+39	-44	-23	-24	+200	-21		
	Raniganj	...	-14	+60	-39	-45	+34	-4	+41	-9		

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	1st-15th November.	TOTAL.
SOUTH- WEST BENGAL— <i>concl'd.</i>	Bankura ...	Bankura ...	+37	+7	-25	-73	-18	+3	+1,018	-21
		Vishnupur ...	+7	-23	-13	-57	-7	+27	+1,777	-17
		Maliara ...	-51	-15	-49	-46	+4	-67	-11	-36
		Khatra ...	+30	-13	-14	-46	+17	+16	+324	-8
	Birbhum ...	Suri ...	-35	+60	+16	-31	-43	-53	-27	-7
		Hotampur ...	-7	-17	+11	-23	-35	+68	+15	-10
		Rampur Hat ...	+7	+8	-7	-41	-27	+41	-50	-12
	Murshidabad ...	Kandi ...	-35	-12	-18	-18	-18	-41	-31	-20
		Berhampore ...	-16	+12	-10	+30	-24	-67	-42	-6
		Lalbag ...	+47	+45	-30	-21	-28	-28	-58	-7
		Azinganj ...	+4	-5	+30	-76	-30	-48	-100	-23
		Jangipur ...	-6	-34	-20	-4	-52	-58	-88	-27
		Lalgola ...	+1	-53	-23	+17	-44	-74	-100	-26
	Pabna ...	Pabna ...	+17	-25	+11	-53	-55	-63	+271	-28
		Sirajganj ...	+21	+2	+64	-3	-44	-83	-60	+1
	Bogra ...	Sherpur ...	-24	-25	+15	-15	-45	-71	-100	-22
		Nowkhilla ...	+15	-8	+54	+19	+7	-72	-100	+8
		Bogra ...	-27	-33	+8	+13	-23	-75	-91	-16
		Panchbibi ...	-43	+7	+9	+8	-52	-79	-100	-16
	Rajshahi ...	Boalia ...	-13	-37	-44	-5	-56	-69	-53	-36
		Nator ...	+42	-1	+66	-22	-62	-78	-69	-5
		Natyaon ...	-23	-38	+23	+20	-75	-30	-100	-23
	Malda ...	Malda ...	-77	-31	+40	-15	-43	-40	-100	-20
		Chanchal ...	-60	-68	+45	-9	-74	-91	-100	-31
NORTH BENGAL.	Dinajpur ...	Mahadebpur ...	-47	-33	+7	+16	-53	-45	-100	-20
		Churaman ...	-19	-54	+15	+63	-69	-74	-100	+11
		Raiganj ...	-24	-39	+137	+92	-33	-78	-100	+25
		Dinajpur ...	+11	-20	+66	+94	-75	-90	-100	+7
		Balurghat ...	-51	-49	+70	+55	-22	-52	-100	-1
	Rangpur ...	Bhawaniganj (Gubanda) ...	+95	-11	+12	+30	-61	-86	-100	-1
		Rangpur ...	+60	-27	+51	+134	-45	-33	-100	+22
		Kurigaon ...	+29	-13	+64	+109	-56	-95	-100	+13
		Bagdogra (Nilphamari) ...	+28	-60	+255	+111	-58	-53	-100	+32
	Jalpaiguri ...	Jalpaiguri ...	+142	-35	+106	+57	-26	-73	-100	+31
	Kuch Bihar ...	Dinhatta ...	+121	-7	+138	+95	-61	-99	-100	+34
		Kuch Bihar ...	+213	-20	+82	+86	-53	-94	-100	+35
		Mickliganj ...	+129	+7	+78	+36	-52	-63	-100	+38
		Matabhanga ...	+148	-23	+82	+58	-44	-80	-100	+26
	Darjeeling ...	Buxa ...	+57	-2	+71	+22	+42	-4	+203	+34
		Siliguri ...	+69	+18	+45	+61	+21	-77	+14	+35
		Darjeeling ...	+49	+7	+44	+3	-29	-85	-100	+8
		Kalimpong ...	+74	-18	+8	-23	+12	-95	-100	-3
EAST BENGAL.	Chittagong ..	Cox's Bazar ...	+45	-17	-18	-30	+30	+125	-53	-3
		Chittagong ...	+27	-62	-28	-59	+26	+140	+360	-16
	Chittagong Hill Tracts.	Rangamati ...	+51	-19	-18	-44	-34	+1	+99	-15
	Backergunge ...	Putunkhali ...	-49	-40	-10	-7	-41	+18	+79	-22
		Pirojpur ...	-24	-26	-30	-57	-42	-1	+171	-31
		Barisal ...	-9	-19	-18	-24	-21	+13	+141	-14
		Bhola ..	-22	-25	-7	-51	-33	+26	+138	-22

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	1st-15th November.	TOTAL.
EAST BENGAL—continued.	Noakhali ...	Noakhali ...	-28	-4	-1	-22	-17	+63	+330	-3
		Fenny ...	+12	-40	-10	-52	-35	+125	+149	-17
	Faridpur ...	Madaripur ...	+5	-16	-10	-58	-16	-7	+1,435	-13
		Faridpur ...	-4	-34	-2	-24	-28	+25	+2,082	-6
		Goulundo ...	-8	-11	-4	-14	-33	-41	+941	-12
	Dacca ...	Munshiganj ...	+6	-40	-42	-30	-23	+36	+523	-21
		Dacca ...	+5	-44	-39	-52	-47	+35	+1,518	-22
		Narayanganj ...	+14	-34	-50	-29	-13	+37	+665	-15
		Manikganj ...	-26	-31	-21	-29	-52	+34	+1,166	-23
	Hill Tippera ...	Agartola ...	+12	+11	+3	-53	-10	-57	+584	-6
	Tippera ...	Comilla h ...	+15	-13	-6	-59	-42	+86	+331	-14
		Chandpur ...	+80	+49	+24	-58	-38	-17	+777	+6
		Brahmanbaria ...	+29	+11	-26	-55	+11	+89	+729	+6
	Mymensingh ...	Kishorganj ...	+95	-20	-38	+2	-27	-40	+891	-2
		Atia (Tangail) ...	+28	-36	-22	-43	-26	-39	+195	-35
		Mymensingh ...	+67	-22	-6	-14	-51	-65	-14	-13
		Jamulpur ...	+30	-27	+34	+20	-21	-58	-100	-1
		Netrokona ...	+93	-4	+11	+17	-18	-19	+600	+13
NORTH BIHAR.	Purnea ...	Kishanganj ...	+11	-41	+15	+142	-67	-60	-100	+12
		Arrariah ...	-11	+35	+37	+139	-77	-99	-100	+22
		Purnea ...	+16	-27	+62	+60	-63	-99	-100	+3
	Bhagalpur ...	Madhipura ...	-50	+23	+18	+41	-67	-94	-100	-8
		Supaul ...	-30	+36	+4	+43	-66	-100	-100	-3
		Bhagalpur ...	-82	-83	-27	+47	-69	-85	-100	-26
		Banka ...	-55	-50	+66	-20	-7	-54	-100	-7
	Darbhanga ...	Tajpur ...	-79	-16	-22	+69	-34	-100	-100	-10
		Darbhanga ...	-22	-2	-6	+112	-68	-99	-100	+4
		Madhubani ...	-30	+17	+63	+53	-79	-100	-100	+5
	Muzaffarpur ...	Sitamarhi ...	-32	+55	+24	+24	-39	-100	-100	+4
		Muzaffarpur ...	-73	+11	-12	+21	-59	-100	-100	-21
		Hajipur ...	-87	-28	-21	+57	-51	-86	-100	-18
	Champaran ...	Motihari ...	+42	+101	+83	+110	-35	-100	-100	+52
		Bettiah ...	-55	+23	+14	+70	-49	-100	-100	+5
	Saran ...	Gopalganj ...	-66	-21	-20	+81	-6	-100	-100	-6
		Siwan ...	-86	-24	-25	+58	-38	-100	-100	-16
		Chapra ...	-20	+26	-45	+137	-50	-97	-100	+6
SOUTH BIHAR.	Shahabad ...	Buxar ...	-85	+7	-20	+111	-62	-98	+900	+3
		Dehri ...	-89	+50	+16	-3	-80	-88	-100	-15
		Bhabhua ...	-75	+3	-29	-1	-62	-95	-100	-29
		Sasaram ...	-100	+44	-22	+1	-65	-94	-100	-23
		Arrah ...	-61	-16	-9	+51	-10	-91	-100	-3
	Gaya ...	Aurangabad ...	-96	-11	-13	-3	-27	-73	-100	-19
		Gaya ...	-65	-13	+1	+43	-21	-83	-100	-1
		Nawadah ...	-81	+16	-28	+10	-13	-69	-100	-1
		Jahanabad ...	-100	-55	-8	+13	+15	-96	-100	-16
	Patna ...	Patna ...	-80	-23	-3	+12	-34	-97	-60	+9
		Dinapore ...	-88	-39	+12	+173	-51	-100	-100	+25
		Bihar ...	-82	-27	-23	+75	+25	-91	-100	+1
		Barrh ...	-100	+33	-17	+78	-40	-86	-100	-3
	Monghyr ...	Bogusarai ...	-88	-30	-18	+16	-50	-31	-100	-23
		Monghyr ...	-86	-19	+2	-4	-59	-56	-100	-24
		Jamui ...	-48	-13	+20	-16	-38	-68	-100	-13

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	1st-15th Novem-ber.	TOTAL.
SOUTH BIHAR. —concl.	Sonthal Par-ganas.	Rajmahal ...	—85	—46	—23	+1	—74	—53	—100	—42
		Godda ...	—52	—33	+109	—33	—27	—85	—100	—2
		Pakour ...	—5	—38	—43	—34	—41	+21	—100	—32
		Naya Dumka ...	—10	—24	+6	—49	—28	—22	—67	—23
		Dooghur ...	—68	—32	+17	+27	—28	—88	—100	—11
		Janitara ...	—14	—43	+42	—50	+53	—35	+7	—4
CHOTA NAGPUR.	Hazari-bagh	Pachamba ...	—41	—31	—6	—31	—10	—3	—100	—19
		(Giridi).								
		Hazaribagh ...	—62	+33	+32	—46	—8	—19	—89	—5
		Semtagurah ..	—54	+18	—47	—38	—16	+28	—100	—24
		Mahudi Hills ...	—62	+30	—35	—15	—20	+95	—73	—11
		Jhumra Hill ..	—21	+14	—6	—52	—29	+74	+18	—16
	Lohardga	Lohardga ...	—82	+18	+12	—19	—52	+146	—100	—8
		Ranchi ...	—65	+25	—13	—17	—10	+91	+189	—3
	Palamau ...	Palamau ...	—89	+4	+10	+29	+6	—80	—100	+3
		(Daltonganj).								
	Singhhum ...	Chaubassa ...	—47	—28	+20	—63	+57	—7	+1,313	—5
	Manbhum	Purulia ...	—51	+43	+6	—78	+13	+18	+337	—12
		Gobindpur ..	+11	+12	—24	—29	+43	—58	+155	—9

METEOROLOGICAL OFFICE, BENGAL,

The 10th December 1892.

A. PEDLER,

Meteorological Reporter to the Govt. of Bengal.

# Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 7th January, 1893.

No.	District and date of return.	Rainfall at Sadar Station in inches.	Character of the weather and state and prospects of the crops.
<b>BENGAL.</b>			
1	Burdwan Jan. 7, '93 Kalna ... Katwa ... Raniganj ..	Nil Nil Nil Nil	Weather—foggy and cloudy. Harvesting of <i>aman</i> finished. Prospects of <i>rabi</i> crops and sugarcane fair. Condition of cattle good. Prices of common rice:—  <div style="display: flex; justify-content: flex-end; align-items: center;"> <div style="display: flex; flex-direction: column; align-items: center;"> <div>Srs.</div> <div>10 to 13</div> <div>11 to 13</div> <div>13½</div> <div>13</div> </div> <div style="margin-left: 10px;">} per rupee.</div> </div>
2	Bankura .. 7, '93	Nil	Weather—cloudy and rather hot for the season. Harvesting of <i>aman</i> paddy over. <i>Rabi</i> crops doing well. Fodder and water sufficient. No cattle-disease reported. Prices of common rice:—  <div style="display: flex; justify-content: flex-end; align-items: center;"> <div style="display: flex; flex-direction: column; align-items: center;"> <div>Srs.</div> <div>12½</div> <div>11½</div> </div> <div style="margin-left: 10px;">} per rupee.</div> </div>
3	Birbhum .. 7, '93 Rampur Hat ...	0·01 Nil	Weather—cloudy and seems to promise rain. Prices of rice still 12 to 14 seers per rupee. Fodder and water sufficient.
4	Midnapore .. 7, '93	Nil	Weather—somewhat warmer than last week; cloudy occasionally. The rice harvest is finished. Prices of common rice:—  <div style="display: flex; justify-content: flex-end; align-items: center;"> <div style="display: flex; flex-direction: column; align-items: center;"> <div>Srs.</div> <div>11</div> <div>10 to 14</div> <div>12 to 14</div> <div>12 to 13</div> </div> <div style="margin-left: 10px;">} per rupee.</div> </div>
5	Hooghly .. 7, '93 Serampore .. Jahanabad ..	Nil Nil Nil	Weather—rather warm; clouding over. No material change to report. <i>Rabi</i> crops doing fairly well, though in the drier parts not quite up to its first promise. There has been some cattle-disease in Jahanabad. Water-supply rather short in Dwarbasini in thana Pandua, as previously reported. Prices of common rice:—  <div style="display: flex; justify-content: flex-end; align-items: center;"> <div style="display: flex; flex-direction: column; align-items: center;"> <div>Srs. c.</div> <div>9 to 10 0</div> <div>10 8</div> <div>10 13</div> </div> <div style="margin-left: 10px;">} per rupee.</div> </div>
6	Howrah .. 7, '93 Ulubaria ...	Nil Nil	Weather—seasonable. Harvesting of winter rice progressing. Sugarcane and spring crops doing well. Condition of cattle good. Fodder and water-supply sufficient except that in Howrah Municipality the tanks are drying too quickly. Price of rice 10 to 12 seers per rupee.
7	24-Parganas .. 7, '93	Nil	Weather—seasonable. Harvesting of <i>aman</i> all but finished. <i>Rabi</i> crops promising. Condition of cattle good. Fodder and water sufficient. Prices of common rice:—  <div style="display: flex; justify-content: flex-end; align-items: center;"> <div style="display: flex; flex-direction: column; align-items: center;"> <div>Srs. c. Srs.</div> <div>9 0 to 13</div> <div>10 14</div> <div>11 11</div> <div>13 0</div> <div>11 0</div> <div>11 0</div> </div> <div style="margin-left: 10px;">} per rupee.</div> </div>
8	Nadia .. 7, '93 Kushtia ... Meherpur ... Chandana ... Ranaghat ...	Nil Nil Nil Nil Nil	Weather—cloudy; getting warm. <i>Rabi</i> crops on the ground doing well. Price of rice remains unchanged.
9	Khulna .. 7, '93 Bagerhat ... Satkhira ...	Nil Nil Nil	Weather—seasonable. Harvesting of <i>aman</i> continues. Outturn good except in Paikgachha. Common rice selling at from 12 to 16 seers per rupee. Prices continue to be high in Satkhira. Prospects of <i>rabi</i> crops good. Fodder and water sufficient.
10	Jessore .. 7, '93 Jhenida ... Magura ... Narail ... Bangaon ...	Nil Nil Nil Nil Nil	Weather—seasonable. Harvesting of <i>aman</i> nearly over; outturn good. Prospects of winter crops fair. Fodder and drinking water sufficient. No cattle-disease. Prices of rice stationary.
11	Murshidabad .. 7, '93	0·09	Weather—cloudy during the latter part of the week. Harvesting of <i>aman</i> nearly finished. <i>Kalai</i> being still harvested. State of <i>rabi</i> crops appear to be favourable except that of wheat in Jangipur. There is sufficient supply of fodder for cattle. Common rice selling at 13 seers per rupee.

Burdwan Divs.

Paschim Divs.

No.	District and date of return.	Rainfall at Sadar Station in inches.	Character of the weather and State and prospects of the crops.
<b>BENGAL.—contd.</b>			
CHITTAGONG DIV.	12 Chittagong Jan. 7, '93	Nil	Weather—seasonable. Prospect of crops good. <i>Rabi</i> cultivation in progress. Prices stationary. Condition of cattle generally good. Supply of fodder sufficient.
	13 Noakhali „ 7, '93	Nil	Weather—seasonable. Harvesting of <i>aman</i> already completed. <i>Rabi</i> crops are still being sown. Cow-pox and <i>damka</i> prevalent amongst cattle in Sandip. Fodder and water available everywhere. Common rice from 13 to 14 seers per rupee.
	14 Tippera „ 7, '93	Nil	Weather—seasonable. <i>Aman</i> crop has nearly been harvested. State of standing crops good. Price of rice stationary.
	15 Chittagong Hill Tracts „ 6, '93	Nil	Weather—seasonable. Harvesting of winter paddy almost over. Vegetables being sold in the bazar. Cutting and pressing of sugarcane commenced. No cattle-disease reported. Prices of common rice:— <div style="text-align: right;"> Sr.  Rangamati .. .. 10  Bandarban .. .. 11  Manicksury .. .. 16 </div> } per rupee.
DACCA DIV.	16 Dacca „ 7, '93	Nil	Weather—seasonably cold and fine. Harvesting of <i>aman</i> paddy nearly completed. <i>Rabi</i> crops doing well. <i>Kalai</i> being gathered. Fodder available. No cattle-disease. Common rice selling at from 12 to 13½ seers per rupee.
	17 Faridpur „ 7, '93	Nil	Weather—seasonable. Cloudy on the 7th. Harvesting of <i>aman</i> not yet completed everywhere. <i>Mug</i> and <i>kalai</i> continue to be harvested. Cultivation and sowing of <i>juti</i> paddy in progress in the char lands. Common rice sells at 13 seers per rupee at Sadar and Goulundo and 14 seers at Madaripur. Condition of cattle good. Fodder and water available.
	18 Backergunge „ 7, '93	Nil	Seasonably cold weather. Reaping of winter rice is far advanced. Coarse rice sells at from 10 to 15 seers per rupee. Fodder and water enough.
	19 Mymensingh „ 7, '93	Nil	Weather—seasonable. Prospects of standing crops good. Rice is selling at from 12 to 14 seers per rupee. No cattle-disease. Fodder and water sufficient.
RAJSHAH DIV.	20 Dinajpur „ 7, '93	0.33	Weather—cool and cloudy. The rain is beneficial to <i>rabi</i> crops, specially to wheat, barley, and tobacco. Prospects of standing crops continue good. Harvesting of winter rice nearly finished. Sugarcane being pressed. Lands being prepared for <i>khadda</i> and jute. The rain will facilitate the cultivation for these crops. Prices of rice stationary. Condition of cattle good. Supply of fodder and drinking water plentiful.
	Thakurgaon „ ..	Nil	
	21 Rajshahi „ 7, '93	Nil	Weather—cloudy and cool. Harvesting of <i>aman</i> coming to a close. Prospects of <i>rabi</i> crops good. A few cases of small-pox among cattle reported from thana Singra; otherwise the condition of cattle good. Fodder and water sufficient. Price of common rice ranges from 12 to 18 seers per rupee.
	Nator „ ..	Nil	
	Naugon „ ..	Nil	Weather—seasonable. Prospects of <i>rabi</i> crops good. Lands are being ploughed for <i>khadda</i> . Price of rice unchanged.
	22 Rangpur „ 7, '93	0.37	
	Kuriganj „ ..	Nil	
	Gaibanda „ ..	Nil	
	Nilphamari „ ..	Nil	Weather—seasonably cold. Harvesting of <i>aman</i> still going on. <i>Rabi</i> crops look favourable. Rice selling at 15 seers per rupee. No cattle-disease except in one village in thana Nawabganj. Supply of fodder and water sufficient.
	Ulipur „ ..	Nil	
	23 Bogra „ 7, '93	Nil	Weather—cool; cloudy during the last two days. <i>Aman</i> is still being harvested in parts of the Sadar subdivision. Prospects of <i>rabi</i> crops continue good. Price of common rice at Sirajganj is Rs. 2.14 to Rs. 3.12 per maund and at Patna 13½ seers per rupee. Condition of cattle good. Fodder and water sufficient.
	24 Patna „ 7, '93	Nil	
	25 Darjeeling „ 7, '93	0.09	Weather—mornings clear; hill is overclouded by the afternoon; nights chilly. Rain on Friday night at Dujeeling. In the hills—Wheat, barley and potatoes progressing favourably. <i>Tori</i> , <i>phaphra</i> and <i>marwa</i> being harvested. In the terai: Paddy nearly all harvested, while potato harvesting still going on. Tobacco and mustard doing well. Prices of coarse rice:— <div style="text-align: right;"> Sr.  Hills .. .. 10  Terai .. .. 12 </div> } per rupee.
	26 Siliguri „ ..	Nil	
	26 Jalpaiguri „ 7, '93	0.04	Weather—very cold and cloudy. Harvesting of <i>haimanti</i> paddy still continues. Prospects of tobacco and potatoes good. Common rice sells at 13 seers per rupee. Water and fodder sufficient. No cattle-disease.

No.	District and date of return.	Rainfall at Sadar Station in inches.	Character of the weather and state and prospects of the crops.
<b>BIHAR.</b>			
27	Monohyr Begusarai Jan. 7, '93 Jamsai	Nil Nil Nil	Weather—cold and cloudy towards the latter end of the week. Harvesting of rice has been completed. Prospects of indigo are favourable. Condition of cattle good. Prices of common rice:— <div style="text-align: right; margin-left: 100px;"> Srs.  Sadar ... 13 to 16  Begusarai ... 16  Jamsai ... 14½ } per rupee. </div>
28	Itanagar Banksa .. 7, '93 Madhipura Supaul	0-01 Nil Nil Nil	Weather—cloudy. Rice harvest still in progress. Harvesting of mustard has commenced, and in Supaul and Banksa it is expected to yield from 12 to 10 annas outturn. Rain wanted for the <i>robi</i> crops.
29	Patna Kishanganj .. 7, '93 Araria	Nil Nil Nil	Weather—seasonable. Harvesting and threshing of <i>aghani</i> going on briskly. <i>Rabi</i> doing well. Fodder and water plentiful. No cutt'e-disease. Price of rice continues the same.
30	Salda .. 7, '93	0-01	Weather—latter part of the week cloudy with a drizzling rain last night (6th). Harvesting and threshing of winter rice approaching completion. Prospects of wheat, barley and other winter crops continue satisfactory. Common rice sells at from 12 to 17 seers per rupee. Supply of fodder and drinking water sufficient.
31	South Patna Deoghur .. 7, '93 Gadda Jamtara Pakur Rajmahal	0-8 Nil Nil Nil Nil Nil	Weather—cool; occasionally somewhat cloudy. Harvesting and threshing of paddy nearly completed; outturn fair. Prospects of <i>robi</i> crops good. Fodder and water sufficient.
32	Patna .. 7, '93	0-22	Weather—cool and occasionally cloudy. There has been a slight shower of rain last night (6th) which will be beneficial to the <i>robi</i> crops. Harvesting and threshing of paddy nearly finished. <i>Rabi</i> crops generally in ear. Poppy doing well. Prices of common rice:— <div style="text-align: right; margin-left: 100px;"> Srs.  Sadar ... 17  Bihar ... 17  Dinapore ... 13 to 14  Barh ... 13 } per rupee. </div>
33	Gaya Aurangabad .. 7, '93 Nawada Jahadabad	0-02 0-01 Nil 0-04	Weather—cold and clear in the first part of the week and fairly towards the close. Harvesting of paddy crop approaching completion, and threshing in progress. <i>Rabi</i> crops are in flower. Prospects of poppy good. Pressing of sugarcane is still going on. Common rice sells at 14 seers per rupee at Gaya. Fodder and water for cattle sufficient.
34	Shahabad Buxar .. 7, '93 Sasaram Bhabhua	0-26 0-18 0-20 0-10	Weather—close and cloudy. Harvesting of rice nearly over. Sugarcane pressing in progress. Rain wanted in Bhabhua. Prospect of <i>robi</i> has changed for the better on account of slight rain in Sasaram and Buxar. Fodder and water sufficient. Prices stationary.
35	Dachhanga .. 7, '93	0-67	Weather—cloudy with east winds. Harvesting of winter rice completed. <i>Rabi</i> crops will be greatly benefited by the rain which fell last night (6th). Poppy doing well. Common rice selling at 15 seers per rupee. Supply of fodder and water sufficient.
36	Muzaffarpur Hajipur .. 7, '93 Sitamarhi	0-94 Nil 0-03	Weather—occasionally cloudy. Harvesting still continues. <i>Rabi</i> doing well. The recent rain will much improve it, but more rain will do good. Fodder and water sufficient.
37	Siwan .. 7, '93 Siwan Gopalganj	0-28 0-14 0-10	Weather—cloudy and unseasonably warm. <i>Rabi</i> prospects still good. Rain would be of much benefit to them. Even the slight drizzle which has fallen in the last day or two reported to have been beneficial. Condition of poppy excellent. Prices of common rice:— <div style="text-align: right; margin-left: 100px;"> Srs.  Chapra ... 13 8  Siwan ... 13 2  Gopalganj ... 14 15 } per rupee. </div>
38	Champaran Bettia .. 7, '93	0-16 0-01	Weather—very cool and cloudy. Harvesting of rice crop is over, but threshing still continues. There has been a slight rainfall twice during the week, which will do good. Poppy plants doing well, and second weeding in progress. The crop is in good condition. Fodder and water for cattle sufficient. Prices slightly rising.
<b>ODISHA.</b>			
39	Cuttack .. 7, '93	Nil	Weather—cool. Harvesting of winter crops in progress. Supply of fodder and water sufficient. Price of rice stationary.
40	Puri Khurda .. 5, '93 Bampur	Nil Nil Nil	Weather—seasonable. <i>Sarad</i> rice being collected. <i>Datura</i> rice being sown. Miscellaneous crops growing fairly well. Prices of common rice stationary.
41	Balasore .. 7, '93	Nil	Weather—normal. Harvesting of paddy continues. Price of common rice 17½ crops per rupee at Balasore and 18 seers at Bhaarak.



No.	District and date of return.	Rainfall at Sadar Station in inches.	Character of the weather and state and prospects of the crops.
<b>CHOTA NAGPUR.</b>			
<i>South-West Frontier Agency.</i>			
42	Hazaribagh Giridi Jan. 7, '93	Nil	Weather—cloudy and slight rain. Prospects generally good. Poppy progressing. Common rice selling at from 12 to 16 seers per rupee.
43	Lohardaga .. 7, '93	Nil	Weather—cloudy. Harvesting of winter rice finished. Prospects of <i>rabi</i> crops continue favourable. Common rice selling at 14 seers per rupee. Fodder and water plentiful.
44	Palamu .. 6, '93	Nil	Weather—cloudy since last two days. Threshing of paddy is not yet completed. Rain wanted for <i>rabi</i> . Common rice selling at 16 seers per rupee. Water and fodder sufficient. No cattle-disease reported.
45	Singhbhum .. 7, '93	Nil	Weather—cloudy. <i>Rabi</i> crops doing well; estimated expected outturn from 12 to 16 annas. Common rice selling at 16 seers per rupee at Chaibasan market. Water and fodder plentiful. Health of cattle good.
46	Manbhum Gobindpur .. 7, '93	Nil	Weather—cloudy and warm. Prospects of <i>rabi</i> crops good. Rice selling at from 10 to 14 seers per rupee. Fodder and water-supply sufficient.

Published for general information.

CALCUTTA; REVENUE DEPT.,

The 10th January, 1893.

C. E. BUCKLAND,

Secy. to the Govt. of Bengal.

## STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

STOCK IN HAND AS COMPILED ON—

NAMES OF WARE.	1st week of Jan. 1892.	1st week of Feb. 1892.	1st week of March 1892.	1st week of April 1892.	1st week of May 1892.	1st week of June 1892.	1st week of July 1892.	1st week of August 1892.	1st week of Sept. 1892.	1st week of Oct. 1892.	1st week of Nov. 1892.	1st week of Dec. 1892.	1st week of Jan. 1893.
Baliachate	Mds. 3,65,999	Mds. 7,39,609	Mds. 11,22,000	Mds. 12,57,000	Mds. 10,25,000	Mds. 12,23,000	Mds. 8,62,000	Mds. 8,32,000	Mds. 6,74,000	Mds. 4,90,580	Mds. 4,32,000	Mds. 3,16,000	Mds. 3,84,400
Uttadanga	" 59,500	" 45,500	" 25,500	" 69,000	" 85,900	" 73,900	" 65,900	" 65,900	" 76,800	" 68,100	" 57,300	" 57,300	" 63,300
Chitany, Golabare, Kumar- tooly, Hathkha, and Gairi Ghat.	" 6,29,500	" 6,17,700	" 6,41,400	" 5,75,400	" 7,82,000	" 7,61,300	" 7,20,400	" 6,56,300	" 6,41,400	" 5,68,300	" 5,64,800	" 5,40,700	" 5,64,700
Patriarchatta, Posta, and Jorabagan.	" 2,800	" 2,800	" 3,600	" 4,000	" 5,000	" 4,000	" 3,000	" 4,000	" 3,700	" 3,000	" 2,500	" 2,000	" 2,000
Tol yunge, Chetia, Kiddyapore, and Mumbiranj.	" 1,23,400	" 1,04,500	" 1,33,200	" 1,44,500	" 1,41,500	" 1,37,200	" 1,12,100	" 1,43,400	" 90,500	" 83,600	" 51,100	" 40,600	" 37,200
21 Minor bears (estimated) ...	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000
Other retail shops, 3,189 in number (estimated).	" 2,89,000	" 2,89,000	" 2,89,000	" 2,89,000	" 2,89,000	" 2,89,000	" 2,89,000	" 2,89,000	" 2,89,000	" 2,89,000	" 2,89,000	" 2,89,000	" 2,89,000
Baidyabati, Kowabandi, Bha- dreshwar, and Chandernagore.	" 27,135	" 19,935	" 31,250	" 39,450	" 42,000	" 32,325	" 29,062	" 61,125	" 51,250	" 23,508	" 51,125	" 40,057	" 63,901
Total	16,51,825	21,00,675	27,99,020	29,12,350	23,77,400	27,66,725	22,92,322	22,56,725	20,27,750	17,45,408	16,35,625	14,87,137	16,08,761
On Railway premises on both sides of the river.	61,650	44,775	41,582	38,171	17,135	12,011	5,250	1,328	11,336	17,216	9,774	24,137	35,289
On boats and mishmishers re- turned ...	51,501	61,575	53,460	52,536	2,022	55,596	7,206	25,859	18,306	27,678	13,896	28,862	47,583
By Canal returns	1,22,177	1,09,714	98,120	58,474	17,050	37,310	21,600	17,413	27,069	24,097	15,777	16,506	1,30,469
Grand total of Stocks	16,73,652	22,26,346	29,17,854	30,15,531	26,40,545	28,66,520	24,33,380	23,04,361	20,54,453	18,14,339	16,74,962	16,66,872	18,29,447
Perbacco stocks available for exportation by sea.	91 lakhs	154 lakhs	184 lakhs	194 lakhs	182 lakhs	174 lakhs	133 lakhs	124 lakhs	102 lakhs	74 lakhs	61 lakhs	6 lakhs	74 lakhs

STATISTICAL DEPARTMENT,  
The 9th January, 1893C. E. BUCKLAND,  
Secy. to the Govt. of Bengal.

**PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the**

		QUANTITIES PER RUPEE IN																							
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU. ( <i>Sorghum Vulgare</i> .)											
Number.	DISTRICTS.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
		S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.		
BENGAL.																									
BURDWAR DIVISION.	1 Burdwan	12	0	11	12	10	11	...	...	...	11	4	<div>Old 9 0 New 10 8</div>	12	0	12	12	<div>Old 11 1 New 12 0</div>	15	0	...	...	...		
	2 Bankura	12	0	11	7	12	0	...	...	...	...	0	10	0	12	8	11	12	13	0	16	4	...		
	3 Birbhum	10	4	10	4	12	8	9	0	9	0	...	11	0	11	0	13	0	14	4	15	0	15	0	
	4 Midnapore	10	4	11	4	11	0	...	...	...	10	0	9	4	11	0	13	2	12	12	17	0	...		
	5 Hooghly	11	0	11	0	13	0	11	0	11	0	...	...	8	8	8	0	9	8	10	0	13	0		
	6 Howrah	...	...	...	...	...	...	...	...	...	...	9	0	8	14	10	4	12	4	11	13	13	0		
PREMUNTY DIVISION.	7 Calcutta	11	0	11	0	11	2	15	0	14	0	19	0	8	0	8	0	8	7	10	0	10	0	12	12
	8 24-Parganas	11	0	11	0	10	10	16	0	16	0	20	0	9	0	8	0	9	0	11	12	11	4	13	0
	9 Nadia	13	14	13	5	12	13	...	...	...	22	14	9	4	9	2	10	0	11	4	11	3	13	1	
	10 Khulna	...	...	...	...	...	...	...	...	...	12	8	10	8	12	8	15	0	13	0	14	0	...		
	11 Jessore	10	0	10	0	10	0	...	...	...	...	8	0	8	8	11	0	13	0	12	0	16	0		
	12 Murshidabad	13	0	13	0	12	0	...	...	...	...	10	0	10	0	19	0	13	0	12	0	13	1		
CHITTAGONG DIVISION.	13 Chittagong	9	4	9	1	9	12	...	...	...	10	8	9	0	9	8	12	1	13	0	13	0	...		
	14 Noakhali	...	...	...	...	...	...	...	...	...	11	0	10	0	14	0	13	0	14	0	15	0			
	15 Tippera	9	0	10	0	10	0	...	...	...	9	8	10	0	10	10	12	0	12	0	14	12			
	16 (Chittagong Hill) Tracts.	...	...	...	...	...	...	...	...	...	...	...	...	...	10	0	8	11	11	3	...				
DACCA DIVISION.	17 Dacca	...	...	...	10	8	...	...	...	26	0	8	0	8	8	12	0	12	0	13	0	14	0		
	18 Faridpur	11	0	10	0	16	0	20	0	11	0	16	0	8	0	8	0	10	0	12	0	12	0		
	19 Backergunge	...	...	...	...	...	...	...	...	...	<div>New 12 8 Old 8 0</div>	<div>New 12 14 Old 8 2</div>	<div>Old 10 8</div>	11	0	13	0	<div>Old 14 0</div>	...	...	...	...			
	20 Mymensingh	9	8	9	8	9	8	...	...	...	...	10	0	10	0	13	0	12	0	11	8	14	8		
RAJSHAHY DIVISION.	21 Dinajpur	11	13	11	4	12	0	15	12	15	12	17	8	8	0	8	0	10	0	16	0	14	8		
	22 Rajshahi	12	12	12	12	10	8	19	8	19	8	26	4	11	4	9	0	12	0	12	12	12	12		
	23 Rangpur	11	8	11	0	8	0	...	...	...	...	9	6	8	0	10	0	10	10	9	8	13	0		

- A In the subdivisional marts the retail prices of salt per rupee are:—Kaima 10 seers, Katwa 10½ seers, and Raniganj 10½ seers.  
 B In Vishnupur the retail price of salt is 11 seers per rupee.  
 C At Rampur 11½ the retail price of salt is 11 seers per rupee.  
 D In the subdivisional marts the retail prices of salt per rupee are:—Contai 10 seers, Tamluk 11½ seers, and Ghatal 10 seers 11 chitaks.  
 E In the subdivisional marts the retail prices of salt per rupee are:—Bhuddreswar 10½ seers and Jahanabad 10 seers 10 chitaks.  
 F At Jahanabad the retail price of salt is 10½ seers per rupee.  
 G In the subdivisional marts the retail prices of salt per rupee are:—Chotia 11½ 12 seers 9 chitaks, Baranati 10 seers 10 chitaks, Mairahat 10 seers 10 chitaks, and Baduria 10 seers 10 chitaks.  
 H In the subdivisional marts the retail prices of salt per rupee are:—Bahadurkhal 10½ seers, Chuadanga 10 seers, Mohorpur 10½ seers, and Ranaghat 10½ seers.  
 I In the subdivisional marts the retail prices of salt per rupee are:—Bagerhat 8 seers and Satkhira 11 seers.  
 J In the subdivisional marts the retail prices of salt per rupee are:—Jhenida 9 seers 9 chitaks, Magura 10 seers, Narail 9 seers 10 chitaks, and Banguon 10 seers 11 chitaks.



## PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the Head-quarters

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN																
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR OHOLUM. (Sorghum Vulgare.)				
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.		
BENGAL—continued.																		
RAJSHAH DIVISION—continued.	23	Bogra	...	10 14	10 8	9 0	...	...	...	9 12	9 0	12 0	15 0	15 0	15 0	...	...	...
	24	Pabna	...	14 4	13 8	12 12	...	...	...	6 12	6 10	7 8	14 2	12 8	15 0	...	...	...
	25	Darjeeling	...	7 0	7 0	8 0	8 0	8 0	10 0	5 0	5 0	5 0	11 0	11 0	11 0	...	...	...
	26	Jalpaiguri	...	11 0	11 0	10 0	13 0	13 0	14 0	7 0	7 0	8 0	13 0	12 0	11 0	...	...	...
BIHAR.																		
BRIGALPUR DIVISION.	27	Monghyr	...	12 0 to 13 0	12 0 to 13 0	13 10 1	14 0 to 15 0	14 0 to 15 0	20 0	8 0 to 9 0	8 0 to 9 0	10 8	11 4	11 4	12 10	...	...	...
	28	Bhagalpur	...	13 14	13 14	13 4	13 14	12 10	22 11	8 13	8 13	10 11	12 10	12 10	12 0	...	...	...
	29	Purnea (Kasha)	...	10 0	10 0	11 0	...	...	...	12 10 to 13 0	12 10 to 13 0	11 6	15 2	14 8	12 10	...	...	...
	30	Malda	...	13 0	13 0	12 0	...	...	...	10 0	8 8	10 0	14 0	13 8	13 0	...	...	...
	31	Sonthal Parganas.	...	11 0	11 8	11 0	...	...	...	11 0	8 0	12 0	14 8	14 8	15 0	...	...	...
PATNA DIVISION.	32	Patna	...	15 0 to 14 0	Red. 15 0 to 14 0 White 14 0 to 14 0	16 0	20 0 to 18 0	21 8 to 20 0	29 0	10 8 to 9 0	10 8 to 9 0	11 8	17 0	16 0	17 8	28 0 to 20 4	30 0 to 20 4	21 0
	33	Gaya	...	12 8	12 8	12 8	18 0	19 0	24 0	9 0	9 0	10 8	14 0	14 0	14 0	20 4	20 4	...
	34	Shahabad	...	15 0	15 0	13 8	18 0	16 0	20 0	8 0	8 0	9 0	15 0	15 0	15 0	...	...	...
	35	Darbhanga	...	13 3	13 3	14 4	12 0	11 8	22 0	11 0	11 0	11 0	15 0	14 0	13 3	...	...	...
	36	Muzaffarpur	...	12 0	12 0	12 0	18 0	18 0	24 0	8 8	8 0	11 0	14 0	15 0	13 0	...	...	...
	37	Saran	...	14 0	13 12	12 12	20 0	20 0	26 0	10 8	10 7	8 8	15 8	13 10	13 9	...	...	...
	38	Champaran	...	11 0	11 0	12 0	12 8	14 8	21 0	9 0	9 0	9 0	15 8	15 8	16 8	...	...	...
ORISSA.																		
ORISSA DIVISION.	39	Cuttack	...	11 13	11 13	8 8	...	...	...	10 8	10 8	10 8	15 1	13 2	13 2	...	...	...
	40	Puri	...	...	...	...	...	...	...	0 3	7 14	11 13	15 12	15 12	15 12	...	...	...
	41	Balasore	...	11 0	11 0	11 0	10 0	10 0	10 0	10 0	10 0	13 0	16 8	16 0	17 0	...	...	...
CHOTA NAGPUR.																		
CHOTA NAGPUR DIVISION.	42	Hazaribagh	...	12 0	12 0	11 0	11 0	11 0	16 0	8 0	8 0	8 0	14 0	13 8	13 0 to 14 0	...	...	...
	43	Lohardaga	...	11 8	12 0	10 0 to 11 0	10 0	9 0	14 0	11 0 to 14 0	11 0 to 13 0	12 0	16 4	15 0 to 16 0	14 0 to 16 0	...	...	...
	44	Palamau	...	11 13	11 4	...	...	...	...	11 13	11 4	...	16 14	15 12	...	...	...	...
	45	Singbhum	...	12 0	12 0	15 0	...	...	16 0	10 0	11 0	16 0	18 0	13 0	20 0	...	...	...
46	Manbhum	...	11 8	11 8	11 0	...	...	...	10 0	8 8	14 0	13 0 to 14 0	18 0	...	...	...	...	

T At Sirajganj the retail price of salt is 11½ seers per rupee.

U At Alipur the retail price of salt is 8 seers per rupee.

V In the subdivisional marts the retail prices of salt per rupee are:—Begusarai 10 seers and Jamui 10 seers.

W At Banka, Madhipura, and Supaul the retail price of salt is 10 seers per rupee.

X At Kishanganj and Araria the retail price of salt is 10 seers per rupee.

Y In the subdivisional marts the retail prices of salt per rupee are:—Deoghur 10 seers, Goida 9 seers, Jamiara 9 seers, Pakur 10½ seers, and Rajmahal 10 seers.

Z In the subdivisional marts the retail prices of salt per rupee are:—Barh 11 seers 6 chitaks, Bihar 10½ seers.

a In the subdivisional marts the retail prices of salt per rupee are:—Aurangabad 10 seers, Nawada 9 seers, and Jahanabad 10 seers.

Station Bazars of the Districts of Bengal on the 31st December 1892—(concluded).

SEERS OF 80 TOLAHS.

BAJRA OR CUMBU. ( <i>Pennisetum typhoides</i> .)			MARUA OR RAGI. ( <i>Echinochloa Corrodon</i> .)			KANGNI OR KAKUN, ITALIAN MILLET. ( <i>Setaria italica</i> .)			GRAM, CHANA, CHHOLA, KADALAY OR BUNAGA. ( <i>Cicer aristatum</i> .)		
Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	...	...	...	...	...	...	...	...	11 4	13 8	10 11
...	...	...	...	...	...	...	...	...	11 4	13 5	17 4
...	...	...	13 0	13 0	13 0	...	...	...	10 0	10 0	11 0
...	...	...	...	...	...	...	...	...	13 0	13 0	13 0
...	...	...	...	...	...	11 0	11 0	...	16 0	16 0	20 0
...	...	...	...	...	...	...	...	...	15 12	15 2	20 3
...	...	...	32 0	32 0	...	21 0	21 0	...	13 0	13 0	15 0
...	...	...	...	...	...	13 0	13 0	...	13 0	13 0	18 0
...	...	...	...	...	...	...	...	...	13 4	13 8	17 0
...	...	...	...	...	25 0	22 0	23 0	21 0	20 0	20 0	22 0
18 0	18 0	...	25 0	25 0	...	17 0	17 0	16 4	16 8	16 8	20 0
...	...	...	...	...	...	...	...	...	15 0	15 0	20 0
...	...	...	28 0	28 0	19 12	13 3	13 3	...	17 8	17 8	20 14
...	...	...	30 0	30 0	...	...	...	...	15 0	15 0	19 0
...	...	...	20 0	22 8	23 8	18 0	16 0	16 0	19 0	19 0	21 0
...	...	...	26 8	27 0	21 0	...	...	...	16 4	16 4	19 0
...	...	...	...	...	...	...	...	...	(Kulai.)		
...	...	...	...	...	...	...	...	...	18 6	19 1	13 7
...	...	...	...	...	...	...	...	...	(Chhola.)		
...	...	...	...	...	...	...	...	...	{ 12 0 12 0		
...	...	...	...	...	...	...	...	...	{ (Bari.)		
...	...	...	...	...	...	...	...	...	{ 13 0 13 0		
...	...	...	24 0	27 0	21 0	...	...	...	13 12	13 8	17 0
...	...	...	30 0	3 0	25 0	...	...	...	{ 11 0 11 0		
...	...	...	...	...	...	...	...	...	{ to to to		
...	...	...	...	...	...	...	...	...	{ 12 0 12 0		
...	...	...	...	...	...	...	...	...	12 10	11 13	...
...	...	...	...	...	...	...	...	...	12 0	...	15 0
...	...	...	...	...	...	...	...	...	14 0	11 0	15 0

PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the Head-quarters

INDIAN-CORN OR MAIZE. (Zea Mays.)			ARHAR OR TUR, CADJAN P'EA. (Cajanus indicus.)			FIREWOOD.		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	...	...	...	...	...	90 0	90 0	90
...	...	...	21 0	17 8	...	200 0	200 0	200
14 0	16 0	16 0	8 0	8 0	8 0	120 0	120 0	120
...	...	...	10 0	10 0	8 0	180 0	200 0	200
22 0	23 0	21 0	15 0	15 0	15 12	140 0	160 0	145
27 14	27 14	20 3	16 6	16 6	16 6	176 0	164 0	164
25 0	24 0	18 0	16 0	16 0	13 0	320 0	320 0	84
26 0	26 0	...	12 0	11 0	...	160 0	160 0	120
24 0	21 0	23 0	18 8	18 8	17 0	200 0	200 0	200
24 0	25 0	24 0	20 0	20 8	19 0	130 0	130 0	120
23 0	23 0	...	19 0	19 0	15 4	200 0	200 0	140
21 0	22 0	21 8	16 0	16 0	15 0	160 0	160 0	120
27 8	27 8	21 0	17 9	17 9	16 8	176 0	176 0	160
26 0	26 0	22 0	16 0	17 0	16 0	160 0	160 0	160
22 0	23 4	23 8	18 12	18 0	17 8	200 0	200 0	160
25 0	26 8	22 0	16 4	16 4	14 8	160 0	160 0	160
...	...	...	17 1	16 7	17 1	80 0	80 0	80
...	...	...	...	...	...	...	...	...
...	...	...	10 12	10 12	...	160 0	160 0	140
22 0	22 0	18 0	16 0	16 0	17 0	240 0	240 0	240
21 0	21 0	20 0	Big. 11 8 Small. 13 4	Big. 11 0 Small. 15 0	Big. 12 0 Small. 17 8	160 0	140 0 to 160 0	140 0 to 160 0
25 5	28 2	...	...	...	...	...	...	...
16 0	16 0	20 0	12 0	12 0	16 0	100 0	100 0	160
21 0	24 0	24 0	18 0	18 0	18 8	...	...	...

## Station Bazars of the Districts of Bengal on the 31st December 1892—(concluded).

			WHOLESALE PRICES PER MAUND OF 40 SEERS.			AVERAGE WAGES PER MONTH.														
SALT.			SALT.			UNSKILLED LABOUR— ABLE-BODIED AGRICULTURAL LABOURER.			STOCK OR HORSE- KEEPER.			SKILLED LABOUR— COMMON MASON, CARPENTER, OR BLACKSMITH.						DISTRICTS.		
Present return.	Next return.	preceding return.	Present return.	Next return.	preceding return.	Present return.	Next return.	preceding return.	Present return.	Next return.	preceding return.	Present return.	Next return.	preceding return.	Present return.	Next return.	preceding return.			
BENGAL—continued.																			RAJSHAHI DIVISION —continued.	
S. Ch.	S. Ch.	S. Ch.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.			
9 12	9 12	9 0	3 13 0	3 12 0	3 14 8	7 8	7 8	7 8	5 0	5 0	5 0	10 0	10 0	10 0	10 0	10 0	10 0	Bogra.		23
T	9 12	8 15	3 10 0	3 10 0	3 12 0	5 0	5 0	5 0	6 0	6 0	6 0	7 0	7 0	7 0	7 0	7 0	7 0	Pabna.		24
8 0	8 0	8 0	4 12 0	4 12 0	5 0 0	7 0	7 0	7 0	8 0	8 0	8 0	15 0	15 0	15 0	15 0	15 0	15 0	Darjeeling.	25	
U	10 0	10 0	3 12 0	3 12 0	4 0 0	7 8	7 8	7 8	9 0	9 0	9 0	20 0	20 0	20 0	20 0	20 0	20 0	Jalpaiguri.	26	
BIHAR.																			BHAGALPUR DIVISION.	
V	10 8	10 8	3 7 0	3 7 0	3 12 0	2 12	3 12	3 12	5 10	2 0	4 0	3 0	3 0	4 4	7 8	7 8	7 8	Monghyr.		27
W	10 11	10 11	3 12 0	3 12 0	3 12 0	1 0	5 0	1 0	1 0	1 0	4 0	4 0	5 0	13 0	15 0	15 0	15 0	Bhagalpur.		28
X	10 0	10 0	3 10 2	3 10 2	4 0 0	4 11	5 11	5 11	6 0	6 0	6 0	11 0	11 0	13 0	13 0	13 0	13 0	Purnea.		29
10 0	10 0	0 0	3 12 0	3 12 0	3 12 0	7 8	7 8	7 8	5 0	5 0	5 0	12 0	12 0	12 0	12 0	12 0	12 0	Malda.	30	
Y	10 8	10 8	3 10 3	3 10 3	4 0 0	3 12	3 12	3 12	5 0	5 0	5 0	15 0	15 0	15 0	15 0	15 0	15 0	Southal Fargana.	31	
Z	11 8	11 8	3 8 0	3 8 0	3 8 0	4 0	4 11	4 0	4 8	4 0	4 8	7 0	7 8	7 0	7 0	7 8	7 0	Patna.	32	
a	10 0	10 0	3 13 0	3 13 0	3 11 0	3 0	2 8	2 8	3 0	3 0	3 0	5 8	5 8	5 8	5 8	5 8	5 8	Gaya.	33	
b	11 0	11 0	3 10 0	3 10 0	1 0 0	4 0	4 0	4 0	4 0	4 0	4 0	3 0	3 0	3 0	3 0	3 0	3 0	Shahabad.	34	
c	10 0	10 6	3 14 0	3 14 0	2 6 0	3 12	3 12	3 12	4 0	4 0	4 0	8 0	7 8	3 12	3 12	3 12	3 12	Darbhanga.	35	
d	10 8	11 0	3 11 0	3 11 0	3 10 0	3 12	3 12	3 12	4 0	4 0	4 0	9 6	9 6	9 6	9 6	9 6	9 6	Muzaffarpur.	36	
e	10 8	10 8	3 11 0	3 11 0	3 10 0	3 12	3 12	3 12	4 0	4 0	4 0	5 10	5 10	5 10	5 10	5 10	5 10	Saran.	37	
f	11 0	10 8	3 10 0	3 10 0	3 12 0	4 0	4 0	4 0	6 0	6 0	6 0	8 0	8 0	8 0	8 0	8 0	8 0	Champan.	38	
ORISSA.																			ORISSA DIVI- SION.	
g	10 12	10 12	3 5 0	3 5 0	3 12 0	5 10	5 10	5 10	5 0	5 0	5 0	7 8	7 8	7 8	7 8	7 8	7 8	Cuttack.		39
h	12 0	12 0	3 4 0	3 4 0	3 6 0	4 0	4 0	4 0	5 0	5 0	5 0	9 0	9 0	9 0	9 0	9 0	9 0	Puri.		40
i	11 0	11 0	3 10 0	3 10 0	3 12 0	4 0	4 0	4 0	4 0	4 0	4 0	7 0	7 0	7 0	7 0	7 0	7 0	Balasore.		41
CHOTA NAGPUR.																			CHOTA NAGPUR DIVISION.	
j	9 8	9 0	4 0 0	4 0 0	3 12 0	4 4	4 4	3 12	5 0	5 0	5 0	7 8	7 8	7 8	7 8	7 8	7 8	Hasaribagh.		42
k	9 8	9 8	4 1 0	4 1 0	4 0 0	3 12	3 12	3 12	6 0	6 0	6 0	11 4	11 4	11 4	11 4	11 4	11 4	Lohardaga.		43
l	9 9	9 4	...	...	...	3 12	3 12	...	...	...	...	7 8	7 8	7 8	7 8	7 8	7 8	Palamau.		44
m	9 0	9 0	4 6 0	4 6 0	4 4 0	4 0	4 0	4 0	6 0	6 0	6 0	12 0	12 0	12 0	12 0	12 0	12 0	Singbhum.	45	
n	10 10	10 10	3 12 3	3 10 0	3 11 0	5 2 6	5 2 6	4 3 0	6 0	6 0	6 0	18 12	18 12	15 0	15 0	15 0	15 0	Manbhum.	46	

- b In the subdivisional marts the retail prices of salt per rupee are:—Buxar 11 seers, Sasaram 11 seers, and Bhabhua 10 seers.  
c In the subdivisional marts the retail prices of salt per rupee are:—Madhubani 11 seers and Samastipur 10 seers.  
d In the subdivisional marts the retail prices of salt per rupee are:—Hajipur 10 seers and Sitamarhi 11 seers.  
e In the subdivisional marts the retail prices of salt per rupee are:—Siwan 11 seers 10 chitaks and Gopalganj 12 seers 2 chitaks.  
f At Bettiah the retail price of salt is 10 seers per rupee.  
g In the subdivisional marts the retail prices of salt per rupee are:—Jajpur 9 seers, Kendrapara 9 seers, and Banki 12 seers.  
h At Bhadrak the retail price of salt is 9 seers per rupee.  
i At Thridih the retail price of salt is 11 seers per rupee.  
j At Gobindpur the retail price of salt is 10 seers per rupee.

Published for general information.

O. E. BUCKLAND,  
Secretary to the Govt. of Bengal



PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARKTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 6 0	3 6 0	3 5 0	2 8 0	2 12 0	1 13 9	5 8 0	5 0 0	4 7 9	4 0 0	3 12 0	2 15 6
2	Sirajganj ...	3 8 0	3 6 0	3 6 0	...	...	...	5 4 0	5 6 0	5 0 0	3 0 0	3 0 0	2 15 0
3	Dacca ...	...	...	3 12 0	...	...	1 8 0	5 0 0	4 10 0	3 6 0	3 4 0	3 1 0	2 13 0
4	Narayanganj ...	...	3 8 0	...	...	3 0 0	...	3 4 0	3 0 0	2 10 0	3 0 0	2 12 0	2 6 0
5	Chittagong ...	4 2 0	4 2 0	4 0 0	...	...	...	3 12 0	4 6 0	4 0 0	3 2 0	3 0 0	3 0 0
6	Patna ...	2 10 6	Red. 2 10 6	2 8 0	2 0 0	1 13 9	1 10 6	3 13 0	3 13 0	3 8 0	2 5 6	2 8 0	2 4 0
		2 13 6	White. 2 13 6	2 13 6									
7	Balasore ...	3 8 0	3 8 0	3 12 0	3 12 0	3 12 0	3 12 0	3 12 0	3 12 0	3 0 0	2 6 0	2 10 0	2 6 0
8	Puri ...	...	...	...	...	...	...	4 5 0	5 1 0	4 9 0	2 8 6	2 8 6	2 8 6
9	Cuttack ...	3 10 0	3 10 0	4 10 0	...	...	...	3 12 0	3 12 0	3 10 0	2 10 0	3 0 0	3 0 0

CALCUTTA,  
The 10th January, 1893.

PRICES PER MAUND					
JOWAR OR CHOLU. ( <i>Sorghum Vulgare</i> .)			BAJRA OR CUMBU. ( <i>Pennisetum typhoides</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
2 4 0	2 3 0	2 4 0	3 0 3	0 0 3	0 2 10
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
1 7 0	1 5 0	1 14 0	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...

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st December, 1892.

MITHR, PEA. ( <i>adina</i> .)	FIREWOOD.			SALT.			MARKS.
	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	
P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
0 2 8	7 0 7	0 0 7	0 0 5	9 4 0	0 4 0	0 3 4	7 Calcutta.
...	0 6 6	0 6 6	0 6 3	3 8 0	3 8 0	3 7 0	0 Sirajganj.
2 12	0 0 5	0 0 5	0 0 5	3 10	0 3 10	0 3 12	0 Dacca.
0 3 8	0 0 8	0 0 8	0 0 8	0 3 8	0 3 8	0 3 6	0 Narayanga
...	0 5 0	0 5 0	0 5 0	3 10	0 3 9	0 3 8	0 Chittagong
0 2 1	6 0 5	0 0 5	0 0 5	4 3 8	0 3 8	0 3 8	0 Patna.
0 0	...	...	...	3 10	0 3 10	0 3 12	0 Balasore.
...	...	...	...	3 4	0 3 0	0 3 6	0 Puri.
0 2 4	0 0 8	0 0 8	0 0 8	0 3 5	0 3	0 3 12	0 Cuttack.

general information.

C. E. BUCKLAND,  
Secretary to the Govt. of Bengal.



[illegible]

Meteorological Report of the Province of

METEOROLOGICAL DIVISION.			STATION OBSERVATIONS.																
			DISTRICT.	Representative stations.	AIR PRESSURE.					WIND.		TEMPERATURE.						HUMIDITY.	
					Highest, 8 A.M., barometer reading.	Lowest, 8 A.M., barometer reading.	Mean, 8 A.M., reduced to 35°.	Mean reduced to sea-level and constant gravity, Lat. 45°.	Variation from normal mean.	Mean direction at 8 A.M.	Mean velocity in miles daily.	Highest of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Mean, 8 A.M., humidity.	Variation from normal mean.
ORISSA.	Puri	Puri Gopalpur Pulke Point	30.175 30.174 30.183	30.049 30.037 30.033	30.105 30.103 30.108	30.054 30.071 30.073	— +0.61 +0.65	N 35° E N 35° W N 34° W	162 233 131	83.7 84.3 87.1	86.6 84.3 89.0	79.6 79.1 77.8	69.3 67.6 61.7	69.0 68.4 68.1	— -1.8 -1.0	75 78 84	— +1 +3		
	Cuttack	Cuttack	30.123	29.973	30.051	30.078	+0.32	N 35° W	33	83.3	51.0	80.0	56.3	68.5	-1.5	71	-1		
	Balasore	Balasore	30.180	29.984	30.074	30.078	+0.43	N 10° W	50	82.4	47.4	78.7	53.1	65.4	-0.3	51	—		
	Midnapore	Midnapore	30.016	29.900	29.953	30.037	+0.44	N 9° W	107	83.3	48.3	70.1	53.5	63.8	-0.8	61	—		
	24-Pargannas	Calcutta Saugor Island	30.109 30.183	30.015 30.018	30.063 30.067	30.071 30.108	+0.59 +0.62	N 18° W N 4° E	43 187	78.7 77.7	40.3 51.7	75.8 74.1	62.4 60.0	64.1 65.4	-2.0 -1.0	82 80	+3 +0		
SOUTH-WEST BENGAL.	Howrah	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
	Hooghly	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
	Nadia	Krishnagar	30.141	29.973	30.072	30.071	+0.44	N 30° W	34	80.3	45.3	76.7	40.8	63.3	-2.4	80	—		
	Khulna	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
	Jessore	Jessore	30.143	30.003	30.081	30.081	+0.40	N 27° W	43	79.2	45.4	75.7	52.5	64.1	-2.4	80	+10		
NORTH BENGAL.	Burdwan	Burdwan Baniganj	30.008 29.982	29.934 29.990	30.033 29.787	30.083 30.103	+0.40 +0.33	N 35° W N 32° W	28 23	80.3 7	47.2	77.3 7	51.4 7	7 7	7 7	67 72	-4 —		
	Bankura	Bankura	29.848	29.699	29.701	30.063	+0.21	N 55° W	40	81.1	47.8	77.4	51.8	61.0	-1.3	71	—		
	Birbhum	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
	Murshidabad	Burhanpore	30.181	29.960	30.054	30.073	+0.33	N 63° W	35	78.6	49.1	76.1	53.7	64.0	-0.9	87	+8		
	Pabna	Sirajganj	30.121	29.961	30.054	30.052	+0.33	N 15° W	10	79.9	40.8	76.2	51.5	63.0	-1.3	81	—		
EAST BENGAL.	Bogra	Bogra	30.090	29.944	30.031	30.048	+0.26	N 15° W	23	7	40.2	7	51.3	7	7	84	—		
	Rajshahi	Rampur Boalia	30.102	29.942	30.037	30.039	+0.44	N 28° W	74	7	40.5	7	51.1	7	7	77	—		
	Malda	Malda	30.110	29.941	30.047	30.051	—	N 45° W	87	78.0	7	73.2	7	7	7	81	—		
	Dinajpur	Dinajpur	30.064	29.933	29.998	30.067	+0.31	N 52° W	33	80.1	45.0	76.2	50.0	63.1	-0.5	81	—		
	Rangpur	Rangpur	30.064	29.833	29.991	30.076	+0.28	N 45° E	40	79.6	45.6	75.6	50.4	63.1	-0.3	91	—		
NORTH-BIHAR.	Jalpaiguri	Jalpaiguri	29.882	29.697	29.814	30.068	+0.23	N 21° E	26	70.4	40.1	75.0	52.7	63.8	+0.3	80	—		
	Kuch Bihar	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
	Darjeeling	Darjeeling	29.102	28.945	29.041	—	+0.14	N 60° E	78	45.7	37.6	43.2	35.4	37.3	-3.6	85	+14		
	Mikim	Gnatong	18.296	18.110	18.194	—	—	80° E	100	41.3	5.2	33.0	11.8	21.7	—	67	—		
	Chittagong	Chittagong	30.087	29.916	30.011	30.033	+0.45	N 33° E	41	77.2	53.1	77.0	65.3	66.3	-1.7	91	+5		
SOUTH-BIHAR.	Chittagong Hill Tracts	Dumagri	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
	Backergunge	Barisal	30.167	30.009	30.091	30.080	+0.33	N 17° W	31	80.3	50.1	76.4	53.1	64.8	-1.2	85	—		
	Noakhali	Noakhali	30.114	29.960	30.037	30.048	+0.40	N 11° W	60	81.3	59.4	76.8	52.7	64.8	-1.3	88	—		
	Faridpur	Faridpur	30.140	29.991	30.076	30.071	+0.31	N	33	78.5	47.0	73.7	53.0	63.4	-1.0	87	—		
	Dacca	Dacca	30.140	29.980	30.060	30.051	+0.31	N 13° W	54	82.1	51.8	77.4	55.6	66.6	-1.2	83	+4		
ARUNACHAL PRADESH.	Tippura	Comilla	30.132	29.981	30.070	30.054	+0.45	N 10° E	27	81.0	50.1	77.7	52.9	65.3	-0.8	88	—		
	Mymensingh	Mymensingh	30.108	29.933	30.038	30.056	+0.33	N 25° E	35	80.2	49.4	75.5	52.8	61.2	-0.6	13	—		
	Purnea	Purnea	30.076	29.905	29.990	30.060	+0.12	S 10° W	24	79.2	43.3	71.5	46.8	60.7	-2.3	91	+7		
	Bhagalpur	Bhagalpur	30.031	29.812	29.963	30.076	+0.30	W	71	81.3	44.5	76.3	45.0	62.7	+0.4	70	—		
	Darbhanga	Darbhanga	30.023	29.828	29.956	30.037	+0.25	S 81° W	44	79.3	47.1	74.8	51.0	62.0	-1.2	83	-3		
YAM.	Muzaffarpur	Muzaffarpur	30.017	29.828	29.940	30.031	—	S 52° W	45	76.7	44.3	73.4	49.1	60.2	—	90	—		
	Champaran	Motihari	29.992	29.750	29.876	30.076	+0.31	S 51° W	72	79.2	51.0	75.6	41.9	69.0	-1.0	88	—		
	Saran	Saran	30.004	29.818	29.951	30.061	+0.30	S 60° W	63	78.8	54.7	74.7	49.1	61.9	-0.1	77	—		
	Shahabad	Deori Ghat Araon	29.812 29.815 29.890	29.658 29.814 29.810	29.760 29.810 29.810	30.037 30.039 30.037	+0.32 +0.32 +0.30	S 60° W S 60° W N 60° W	7 54 36	80.9 79.4 81.5	45.6 44.1 43.0	75.9 75.0 77.4	51.7 47.4 45.0	63.3 62.7 61.7	7 +0.1 +0.1	74 73 76	— — —		
	Naya	Naya	29.800	29.641	29.726	30.063	+0.11	S 11° W	130	79.9	45.3	75.7	50.1	63.0	-0.3	66	+3		
YAM.	Patna	Bankipore	30.012	29.823	29.940	30.032	+0.17	S 53° W	70	77.8	45.4	73.8	43.0	61.8	-0.7	70	-6		
	Monghyr	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
	Sonhal Poranasa	Naya Dumka	29.845	29.611	29.611	30.032	+0.11	N 55° W	49	77.6	44.0	75.0	49.1	62.5	-0.8	69	—		
	Havrilach	Havrilach	29.800	29.658	29.729	30.032	+0.31	S 11° W	131	71.3	44.7	73.6	48.8	61.6	-0.2	66	-10		
	Chandpur	Chandpur	29.814	29.657	29.735	30.033	+0.31	W	106	73.5	45.2	75.5	48.9	60.7	+0.7	66	—		

\* Mean of 30 days. | † Mean of 21 days.

CLOUD.		DISTRICT OBSERVATIONS.											DISTRICT.
Mean cloud amount, 8 A. M.	Variation from normal mean, 8 A. M.	Rainfall.	RAINFALL.										
			Of month.					Since 16th October 1872.					
			Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal number of rainy days.	Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal number of rainy days.	
0.3	—	Nil	Nil	0.79	—0.79	0.00	1.04	7.21	0.76	+0.43	0.00	7.23	Puri.
0.3	—	Nil	Nil										
1.9	—0.8	Nil	Nil										
1.0	—0.8	Nil	Nil	0.54	—0.54	0.00	0.88	6.01	4.21	+1.77	10.00	5.76	Cuttack.
0	—	Nil	Nil	0.50	—0.30	0.00	0.51	6.56	3.01	+3.00	8.50	4.33	Balsore.
0.7	—	Nil	Nil	0.33	—0.33	0.00	0.40	7.03	2.90	+4.04	0.00	3.12	Midnapore.
0.3	—1.7	Nil	Nil	0.31	—0.31	0.00	0.34	7.11	2.80	+4.22	6.71	3.73	14-Paraganas.
1.1	—1.3	Nil	Nil										
			Nil	0.32	—0.32	0.00	0.53	3.56	2.11	+1.45	0.00	3.24	Howrah.
			Nil	0.28	—0.28	0.00	0.43	7.14	2.07	+5.07	5.67	2.93	Hooghly.
0.0	—	Nil	Nil	0.18	—0.18	0.00	0.26	4.21	2.01	+2.20	4.50	2.70	Nadia.
			Nil	0.32	—0.32	0.00	0.22	6.93	2.78	+4.15	9.00	3.76	Khulna.
0.7	—1.3	Nil	Nil	0.24	—0.24	0.00	0.33	9.18	2.35	+6.83	6.40	3.28	Jessore.
0.7	—1.3	Nil	Nil	0.17	—0.17	0.00	0.23	4.40	2.01	+2.49	5.73	2.47	Burdwan.
0.2	—	Nil	Nil	0.27	—0.27	0.00	0.45	4.47	2.03	+2.33	5.75	2.90	Bankura.
0.9	—	Nil	Nil	0.16	—0.16	0.00	0.41	3.24	1.55	+1.69	4.06	2.43	Birbhum.
1.1	—0.3	Nil	Nil	0.17	—0.17	0.00	0.35	1.83	1.72	+0.11	3.34	2.21	Murshidabad.
0.5	—	Nil	Nil	0.14	—0.14	0.00	0.38	1.11	2.24	—1.13	3.00	3.19	Fabna.
0	—	Nil	Nil	0.17	—0.17	0.00	0.30	0.03	2.06	—1.13	2.75	2.13	Bogra.
0.3	—	Nil	Nil	0.13	—0.13	0.00	0.28	0.63	1.41	—0.03	1.07	2.07	Rajshahi.
0	—	Nil	Nil	0.13	—0.13	0.00	0.30	0.79	1.47	—0.68	2.00	1.40	Malda.
0.1	—	Nil	Nil	0.17	—0.17	0.00	0.30	0.43	1.18	—0.75	1.60	1.33	Dinajpur.
0.2	—	Nil	Nil	0.16	—0.16	0.00	0.33	1.10	1.57	—0.77	1.53	1.65	Rangpur.
3.4	—	0.32	0.36	0.09	+0.27	2.00	0.20	1.13	2.94	—1.81	4.00	1.70	Jalpaiguri.
			Nil	0.17	—0.17	0.00	0.41	0.88	2.53	—1.65	1.30	2.25	Kuch Bihar.
4.0	+1.6	0.28	0.72	0.30	+0.43	2.50	0.74	3.41	2.87	+0.54	5.25	2.90	Darjeeling.
1.2	—0.2	Nil	Nil	0.51	—0.34	0.00	0.78	12.78	5.17	+7.61	10.50	5.34	Chittagong.
			Nil	0.50	—0.50	0.00	0.90	6					

### Table of Rainfall recorded at stations

[illegible]





### Table of Rainfall recorded at Station.

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NORTH-BENGAL —continued.	Malda	Malda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chanchal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gogai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dinajpur	Nidganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mohadebpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chitramon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kaiganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dinajpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpur	Balorhat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Thakurgaon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bhawaniganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(Gyabanda)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Jalpaiguri	Rangpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kumargram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bandagra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kuch Bihar	(Nilphamari)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ulipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jalpaiguri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Alipore Duar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Darjeeling	Palacetta	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Deliganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dehagatpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(Nayrakutta)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
EAST-BENGAL	Chittagong	Dinhat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kuch Bihar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mickiganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mathabanga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chittagong Hill Tracts	Buxa	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sitiguri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Darjeeling	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kalinpong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kumpong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chittagong Hill	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Tracts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bachergunge	Bandarban	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patnakhali	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pirojpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Harisal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gourpaddi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Khola	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Daulatkhali	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Nonkhali	Bauphet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nonkhali	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Fenny	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Harishpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Faridpur	Kamganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madaripur		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Faridpur		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Dacca	Gashundoo	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Munshiganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Dacca	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Narainganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Hill Tippera	Manikganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Joydebpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Agartala	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Tippera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Wynenningh.	Comilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Chandpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Brachmanbaria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ramchandrapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Narainagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Daudkandi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Kasba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
North Bihar	Laksham	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Kishoreganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Asis (Tunguti)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Mynenningh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Jamailpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Netrokona	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Saborakhal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Durgapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
North Bihar	Sherpur Town	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Dewanganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Kishanganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Araria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Curia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Gondwara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	(Koruk)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
North Bihar	Buranc	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Forleghanj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Kataganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Wadi ipura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Bouganji	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	(Bafabad)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Mujani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
North Bihar	Prasabganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Bhasalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Banks	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Kolgong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Tajpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Baribanga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Madhubani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
North Bihar	Bahara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Kushera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	





**in Bengal in December 1892—concluded.**

[illegible]

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS  
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS  
TAKEN IN ASSAM, FOR THE MONTH OF DECEMBER 1892.**

The most important features in the meteorology of December have been—

1. There has been an almost complete absence of cold-weather storms of any importance originating in or coming from North-West India, which in most years pass through Bengal in December, particularly in the second half of the month. Only one feeble disturbance indeed began to approach Bengal from North-Western India at the close of December. Fine weather with lightly clouded or almost cloudless skies has therefore prevailed over the greater part of Bengal practically throughout the month.

2. The retreat of the south-west monsoon current in the south of the Bay in December has also been unattended with the formation of any cyclonic storms, such as frequently occur, and only one or two small barometric depressions of comparatively little importance have formed in the south of the Bay and have drifted in a westerly direction towards the Madras coast. One of these depressions had formed at the end of November, and on the 1st and 2nd of December it was approaching the Madras coast, but it filed up before passing over the land, and only gave squally weather and in some cases a gale of wind with moderate rain to parts of that coast. A second feeble depression or area of disturbance probably formed on the 14th or 15th, in the centre of the south of the Bay, and drifting in a westerly direction affected the South Madras coast on the 17th. Another period of disturbance commenced in the extreme south of the Bay on the 20th, but scarcely affected the Madras coast at all, and the disturbed conditions probably passed away in a westerly direction over Ceylon. These disturbances were, however, of so feeble a nature and so far south in the Bay, that they had absolutely no effect on the weather conditions in Bengal.

3. Owing, therefore, to the almost entire absence of disturbed weather during December, the rainfall occurring in Bengal has been confined to a few showers in the districts in and near the Darjeeling Hills. Indeed, rainfall has been absent from the entire province except for falls averaging about half an inch in the Darjeeling and Jalpaiguri districts. Rainfall has thus been in defect of the normal in all Divisions.

4. The mean pressure for the month has been unusually high, and there has been a general excess of from 0.03" to 0.05". This excess on the whole has been largest at the eastern and southern stations; and in such cases as Cuttack, Barisal, Faridpur, Bogra, and Dinajpur, the excess has been larger than a twentieth of an inch.

5. Temperature, on the other hand, has been in defect of the normal at almost all stations, the defect being very small in the west and north of the province, and comparatively large in the southern districts, where defects of from 2° to 2.5° have occurred at Calcutta, Jessore, and Krishnagar. This defect has, however, been almost entirely confined to the night or minimum temperatures, which in several cases have ranged from 3° to 4° below the normal. Indeed, over the western half of the province the mean day or maximum temperature for the month has been in distinct excess of the normal.

6. Owing to the absence of disturbed weather, the mean cloud proportion for the month has been in rather large defect of the normal, while, on the other hand, humidity has been fully equal to, and in a good many cases in distinct excess of, the normal.

The meteorological changes for the month of December do not call for any detailed account. Throughout the last twenty-five days of November fine settled weather had obtained in Bengal, and the cold weather conditions were indeed throughout this time unusually strongly developed, and these conditions again obtained at the beginning of December, when temperature was generally from 1° to 2° in defect, pressure was in excess of the normal, and a very steady north-westerly wind current prevailed over the province. Early in December, however, there was very squally weather in the centre and south-west of the Bay, due to the passage of a feeble barometric depression in a westerly direction from the centre of the Bay to the Madras coast, but this did not in any way affect the weather in Bengal. This fine, settled and unusually cool weather continued over the whole province up to the 6th, when slightly unsettled weather commenced in the Darjeeling Hills, which gave a few showers of rain in this and the Jalpaiguri districts. From the 9th, however, again a period of absolutely fine and very cool weather set in over Bengal, which lasted up till the 23rd, when two or three showers fell in the Darjeeling and Jalpaiguri districts, but from the 26th again weather became fine. Throughout almost the whole of the month indeed, and up till about the 29th or 30th, except for the two slight disturbances in the hills, weather in Bengal was absolutely settled. Conditions, however, began to change slightly from the 29th, for on the morning of the 30th a very distinct and rather influential barometric depression had appeared over Rajputana and North-Western India generally, which was travelling so rapidly in an easterly direction that on the 30th it had reached the neighbourhood of Bahraich in the North-West Provinces, but it was also rapidly filling up, and on the 1st of January it had practically entirely disappeared. In front of the advancing depression, however, as is usual in such cases, temperature and humidity rose very rapidly, and thus at the close of the month at some of the western stations of Bihar, the mean temperature had

become no less than from 4° to 6° in excess of the normal. The conditions at the close of the month in this respect were thus in rather marked contrast to those of the greater part of December.

*Pressure*—At the beginning of the month was in distinct excess of the normal. For the week ending the 10th instant, the excess equalled about two-hundredths of an inch. In the following week the excess had increased to about a twentieth of an inch, but in the week ending the 24th instant it had fallen to about 0.03." For the last week, notwithstanding the advancing depression from the North-West Provinces, the excess had again increased and equalled about 0.06." For the whole month, therefore, pressure has been in excess of the normal, the excess averaging about 0.04", and ranging generally from 0.03" to 0.05." The smallest excess pressures have been shown in the west and north of the province and in Assam. Excess pressures of only about 0.02" have been recorded at Hazaribagh, Patna, Darbhanga, Jalpaiguri, and Dhubri, and at Sibsagar an almost normal pressure has been registered. On the other hand, the excess has been larger than 0.05" at Dinajpur, Bogra, Faridpur, Barisal, Cuttack, Arrah, and Chapra.

*Temperature*.—The mean temperature of the province was 1.7° in defect of the normal at the beginning of the month. In the week ending the 10th, the defect equalled about a degree, but at the end of this period some unusually low night temperatures were recorded, and defects of 7° to 9° were reported on the 9th and 10th at such stations as Barisal, Jessore, Krishnagar, Calcutta, Bankura, Chittagong, and Dohri. In the following week the defect had increased to 2.3°. In the week ending the 24th the defects had become small except in East and South-West Bengal, but even in these districts they were only about a degree; and finally, in the last week of the month the temperature had risen to the normal value. The mean temperature for the whole month has been in defect of the normal, the defects ranging from a few tenths of a degree at the western stations of Bihar to about 2° to 2.5° in South-West Bengal at such stations as Calcutta, Jessore, and Krishnagar. The average day temperatures of the month have been in excess over the western half of the province by about a degree, and in defect over the eastern half by a few tenths of a degree. The minimum temperatures, on the other hand, have been in defect in all districts, the defects averaging from 1° to nearly 4°. In Assam the mean temperature has been in defect by 0.7°.

The general variation of temperature from the normal of the month is best shown by the following table, which gives the variation of the average maximum, minimum and mean temperatures at nine typical stations in different districts of the province, week by week, throughout the month:—

STATIONS.	WEEK ENDING 3RD DECEMBER 1892.			WEEK ENDING 10TH DECEMBER 1892.			WEEK ENDING 17TH DECEMBER 1892.			WEEK ENDING 24TH DECEMBER 1892.			WEEK ENDING 31ST DECEMBER 1892.		
	Variation of actual mean max- imum temperature of week from normal mean.	Variation of actual mean mini- mum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.	Variation of actual mean max- imum temperature of week from normal mean.	Variation of actual mean mini- mum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.	Variation of actual mean max- imum temperature of week from normal mean.	Variation of actual mean mini- mum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.	Variation of actual mean max- imum temperature of week from normal mean.	Variation of actual mean mini- mum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.	Variation of actual mean max- imum temperature of week from normal mean.	Variation of actual mean mini- mum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.
Cuttack ...	-2.4	-3.2	-2.8	-0.5	-0.8	-0.6	-2.3	-4.7	-3.7	-1.4	-0.7	-1.1	-1.1	-1.2	-1.1
Calcutta ...	-1.3	-4.2	-2.8	-0.5	-5.5	-2.0	-1.2	-4.9	-3.3	+0.3	-2.5	-1.0	+0.0	-2.2	-0.6
Dacca ...	-1.8	-2.3	-2.0	-2.3	-2.2	-2.4	-1.7	-1.6	-1.6	-0.8	-1.0	-0.4	+0.5	1.4	-0.5
Burdwan ...	-1.1	1.0	-1.1	-0.0	-2.0	-1.4	-1.9	?	?	+0.3	?	?	+0.9	?	?
Patna ...	0	-1.4	-0.7	-0.9	-1.5	-1.2	-2.5	-3.3	-3.0	+0.3	+0.3	+0.4	+1.7	+0.1	+0.9
Gaya ...	-0.4	-1.0	-1.2	+0.3	+0.8	+0.5	-2.3	-3.2	-2.8	+0.3	-0.3	0	+1.4	-0.4	+0.5
Purnea ...	-0.5	-3.4	-2.2	-3.5	-3.5	-3.4	-2.4	-3.3	-3.9	-1.0	-0.3	-0.6	-0.4	-2.3	-1.3
Hazaribagh ...	-0.7	-3.4	-2.0	+0.3	-2.3	-1.0	+0.2	-3.0	-1.4	+1.1	-0.9	+0.1	+2.2	+0.9	+1.6
Darjeeling ...	-0.1	-2.8	-4.4	-3.8	-2.3	-4.5	-3.7	-1.4	-3.6	-4.3	-0.9	-2.6	-4.0	-0.8	-2.4

*Rainfall*.—Except for a fall of 0.72 inch in the Darjeeling district and one of 0.36 inch in the Jalpaiguri district the whole province of Bengal has been rainless throughout the month. In Assam the only rainfall reported has been 1.07 inches at Sibsagar.

The following table gives in a condensed form the summary of the rainfall information in Bengal for the whole year. It gives a comparison between the actual monthly and total rainfall of the year with the normal values in each of the seven meteorological divisions of Bengal, the actual falls being expressed as percentages of the normal amounts. From these figures it will be seen that all the districts, except North Bihar and North Bengal, have

received largely defective falls during the year, and that in South-West Bengal the defects exceed 20 per cent :—

METEOROLOGICAL DIVISIONS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Actual rainfall of the year 1892 expressed as a percentage of the normal fall for the period.
Orissa ...	Nil	26	2	31	50	132	83	70	96	102	72	Nil	85
South-West Bengal ...	Nil	26	4	99	89	84	89	52	77	91	739	Nil	79
North Bengal ...	Nil	67	118	190	148	75	168	146	51	28	82	7	110
East Bengal ...	Nil	69	34	166	120	79	80	66	77	118	331	Nil	89
North Bihâr ...	2	116	50	114	72	109	105	171	46	7	Nil	Nil	99
South Bihâr ...	11	170	15	93	36	79	99	121	65	30	25	Nil	86
Chota Nagpur ...	Nil	194	2	23	53	111	96	66	90	116	144	Nil	87

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the month of December 1892 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.							
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below 10°/mean of month.	Of month.			Rainy days.			Since 16th Oct. 1892.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa ... ..	84.2	47.4	79.3	56.2	67.1	-1.2	Nil	0.51	-0.51	0.00	0.77	-0.77	6.86	4.37
South-West Bengal ... ..	83.2	45.3	76.5	52.8	64.0	-1.7	Nil	0.25	-0.25	0.00	0.40	-0.40	5.56	2.25
North Bengal ... ..	86.1	45.0	75.2	51.2	63.5	-0.4	0.01	0.15	-0.14	0.03	0.33	-0.22	0.81	1.74
East Bengal ... ..	82.1	49.0	78.4	53.7	65.1	-1.2	Nil	0.33	-0.33	0.00	0.51	-0.51	7.96	3.25
North Bihâr ... ..	80.3	41.0	74.7	48.1	61.4	-0.8	Nil	0.14	-0.14	0.00	0.37	-0.37	0.14	1.14
South Bihâr ... ..	80.0	42.4	75.2	49.5	62.4	-0.3	Nil	0.20	-0.20	0.00	0.34	-0.34	0.80	1.43
Chota Nagpur ... ..	82.7	44.2	74.3	49.1	61.7	0	Nil	0.30	-0.30	0.00	0.47	-0.47	4.07	1.45
Assam ... ..	82.4	43.4	74.2	53.6	63.0	-0.0								

METEOROLOGICAL OFFICE, BENGAL ;  
The 10th January 1893.

A. PEDLER,  
Meteorological Reporter to the Govt. of Bengal.

**Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of December 1892.**

	Inches.	Date.	Hour.
The mean pressure of the month ... ..	30.049		
The average pressure of December from 24 years' registers ...	30.027		
The highest pressure in the month ... ..	30.189	28th	10
The lowest pressure in the month ... ..	29.991	5th	16
The range of pressure ... ..	0.288		
Hours.			
The total number of hours of bright sunshine during the month	273.7		
The maximum possible number of hours of sunshine ...	332.8		
°			
The mean temperature of the month ... ..	63.2		
The average temperature of December from 24 years' registers	63.0		
The highest temperature in the month ... ..	79.5	31st.	
The lowest temperature in the month ... ..	49.0	10th & 26th.	
The range of temperature during the month ... ..	30.5		
The mean daily range of temperature ... ..	2.4		
The greatest range of temperature in one day ... ..	26.5	29th.	
Per cent.			
The mean humidity of the month ... ..	71		
The average humidity of December from 24 years' registers ...	71		
Inches.			
The mean vapour tension of the month ... ..	0.400		
The average vapour tension of December from 9 years' registers	0.474		
The mean cloud proportion of the month ... ..	0.54		
The average cloud proportion of December from 15 years' registers	1.57		
The total rainfall of the month ... ..	Nil.		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 52 feet above the ground)	Nil.		
The average fall of December from 48 years' registers ...	0.23		
The greatest fall in 24 hours ... ..	Nil.		
Days.			
The number of rainy days in the month ... ..	Nil.		
The average number of rainy days in December from 24 years' registers ... ..	1		
°			
The mean maximum equilibrium temperature of solar radiation during the month ... ..	128.7		
The mean difference of sun and air temperatures ... ..	53.8		
The greatest sun temperature ... ..	132.5	22nd.	
The greatest excess of sun over air temperature ... ..	57.3	22nd.	
The mean temperature of the nocturnal radiation thermometer on wooden cloth ... ..	43.6		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground ... ..	9.1		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature ... ..	11.2	12th.	
miles.			
The mean movement of the wind per day ... ..	43.8		
The greatest movement of the wind in one day ... ..	76.0	1st.	
The greatest movement of the wind in one hour ... ..	10.0	7th, 1 to 2 P.M.	
The number of hours with winds from each of the 8 points—			
N. 284, N.E. 19, E. 2, S.E. 1, S. 0, S.W. 5, W. 76, N.W. 162, Calm 195.			

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore .003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 2.3° lower; and, finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0.6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

C. LITTLE,

METEOROLOGICAL OFFICE, INDIA;  
Calcutta, the 9th January 1893.

For Meteorological Reporter to the Govt. of India.



## Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.											
			AIR PRESSURE.			WIND.		TEMPERATURE.						
			Barometric height at station, reduced to sea level.	Barometric height at station, reduced to sea level, and corrected for temperature.	Variation from mean.	Prevail. direction.	Mean wind velocity.	Highest.		Lowest.		Mean maximum temperature.	Mean minimum temperature.	Mean daily temperature.
								Height.	Date.	Height.	Date.			
ORISSA.	Puri	Puri	30.001	30.041	—	SE by S	178	81.1	1st Jan.	50.6	1st Jan.	78.8	62.0	70.4
	Gopalpur	Gopalpur	30.008	30.036	+0.017	SW	2.0	82.7	1st "	50.0	6th "	80.1	61.0	70.5
	False Point	False Point	30.010	30.063	+0.011	N	13.0	82.1	1st "	55.0	6th "	79.0	58.9	68.9
	Cuttack	Cuttack	30.003	30.070	+0.021	Calm	—	85.3	1 & 2 "	54.8	5 & 6 "	82.2	60.2	71.2
	Balasore	Balasore	30.006	30.071	+0.013	SE by S	—	83.1	1st "	54.5	6th "	79.5	56.5	68.0
SOUTH WEST BENGAL.	Midnapore	Midnapore	30.073	30.082	+0.012	N	127	81.3	1st "	50.0	4 & 5 "	81.2	60.6	68.9
	24-Parganas	Calcutta	30.102	30.070	+0.000	Calm & W	38	79.7	1st "	52.7	1st "	77.1	64.7	65.9
	Saugor Island	Saugor Island	30.095	30.064	+0.010	SE	168	18.7	2nd "	56.4	6th "	76.7	58.5	67.6
	Howrah	Howrah	—	—	—	—	—	—	—	—	—	—	—	—
	Nadia	Krishnapur	30.083	30.079	+0.013	WNW	51	79.1	7th "	48.7	7th "	78.4	51.0	65.1
NORTH BENGAL.	Khulna	Khulna	30.076	30.057	+0.008	Calm	41	78.2	2d "	50.0	2nd "	77.2	53.6	65.6
	Burdwan	Burdwan	30.110	30.102	+0.009	Calm	10	80.5	1 & 2 "	50.7	3rd "	79.0	55.2	67.1
	Bankura	Bankura	30.074	30.062	+0.005	Calm	26	81.0	1st "	51.3	3rd "	79.0	56.5	67.8
	Barisal	Barisal	30.106	30.085	+0.015	NW by S	28	79.1	1st "	52.7	3 & 4 "	77.2	55.8	66.5
	Patna	Patna	30.070	30.068	+0.027	E	16	77.4	3th "	49.1	2nd "	76.4	52.3	64.4
EAST BENGAL.	Bogra	Bogra	30.042	30.050	+0.027	Calm	19	79.3	7th "	49.7	2nd "	77.6	51.6	65.1
	Rajshahi	Rajshahi	30.060	30.074	+0.031	N	66	?	?	49.7	3rd "	?	53.1	?
	Malda	Malda	30.054	30.061	—	NW	74	78.0	1st "	45.2	3rd "	77.3	49.0	63.3
	Dinajpur	Dinajpur	30.018	30.017	+0.018	W	20	77.1	6th "	47.6	2nd "	76.1	51.2	63.8
	Rangpur	Rangpur	30.006	30.001	+0.010	E	18	76.3	5th "	43.3	2nd "	75.3	50.8	63.1
NORTH BENGAL.	Jalpaiguri	Jalpaiguri	29.831	30.058	+0.011	Variable	27	75.1	4th "	61.6	1 & 6 "	73.8	53.3	63.6
	Kanchi Bihar	Kanchi Bihar	—	—	—	—	—	—	—	—	—	—	—	—
	Darjeeling	Darjeeling	30.000	30.000	—	Calm	81	44.6	6th "	34.5	1 & 3 "	43.1	36.3	39.2
	Sikkim	Sikkim	30.000	30.000	—	—	—	—	—	—	—	—	—	—
	Chitragong	Chitragong	30.000	30.000	—	—	—	—	—	—	—	—	—	—
SOUTH BENGAL.	Chitragong Hill Tracts	Chitragong Hill Tracts	—	—	—	—	—	—	—	—	—	—	—	—
	Chitragong	Chitragong	30.000	30.000	—	—	—	—	—	—	—	—	—	—
	Chitragong	Chitragong	30.000	30.000	—	—	—	—	—	—	—	—	—	—
	Chitragong	Chitragong	30.000	30.000	—	—	—	—	—	—	—	—	—	—
	Chitragong	Chitragong	30.000	30.000	—	—	—	—	—	—	—	—	—	—
NORTH BENGAL.	Chitragong	Chitragong	30.000	30.000	—	—	—	—	—	—	—	—	—	—
	Chitragong	Chitragong	30.000	30.000	—	—	—	—	—	—	—	—	—	—
	Chitragong	Chitragong	30.000	30.000	—	—	—	—	—	—	—	—	—	—
	Chitragong	Chitragong	30.000	30.000	—	—	—	—	—	—	—	—	—	—
	Chitragong	Chitragong	30.000	30.000	—	—	—	—	—	—	—	—	—	—
SOUTH BENGAL.	Chitragong	Chitragong	30.000	30.000	—	—	—	—	—	—	—	—	—	—
	Chitragong	Chitragong	30.000	30.000	—	—	—	—	—	—	—	—	—	—
	Chitragong	Chitragong	30.000	30.000	—	—	—	—	—	—	—	—	—	—
	Chitragong	Chitragong	30.000	30.000	—	—	—	—	—	—	—	—	—	—
	Chitragong	Chitragong	30.000	30.000	—	—	—	—	—	—	—	—	—	—

\* Mean of 4 days.

**Explanation.—**Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the readings during the same period. The humidity of the atmosphere is expressed in percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The normal mean of the numerical means or average of the rainfall in that district determined from the returns sent in by the subdivisional stations district, i.e. from total rainfall at the subdivisional stations in the district sending in returns divided by the number of stations. A rainy day is one of

for the week ending Saturday, the 7th of January 1893.

DISTRICT OBSERVATIONS.																	DISTRICT.
Variation from normal mean.	Mean S.W. temperature.	Average humidity at 5 A.M.	Average cloud amount at 5 A.M.	Rainfall of week at observing station.	OF WEEK				RAINFALL								
					Mean for district.	Normal mean.	Average number of rainy days.	Normal number of rainy days.	Since 1st of month.			Since 15th October 1892.					
									Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.			
—	65.9	85	23	Nil	Nil	0.03	0.00	0.04	Nil	0.03	—0.01	7.20	6.13	+1.07	Puri.		
+1.1	64.9	83	0.7	Nil													
+0.8	64.7	88	2.1	Nil													
+0.2	64.1	79	4.3	Nil	Nil	0.7	0.0	0.04	Nil	0.67	—0.67	6.01	3.92	+2.09		Cuttack.	
+2.3	61.5	86	0	Nil	Nil	0.67	0.0	0.15	Nil	0.67	—0.67	6.57	2.71	+3.86	Bharganaga.		
+3.7	62.6	75	1.9	Nil	Nil	0.16	0.00	0.18	Nil	0.16	—0.16	7.33	2.77	+4.56	Nil.		
+0.6	59.5	89	2.7	Nil	Nil	0.12	0.0	0.11	Nil	0.12	—0.12	7.12	2.54	+4.58	Bharganaga.		
+0.7	62.5	95	2.1	Nil													
					Nil	0.15	0.00	0.00	Nil	0.08	—0.08	3.56	1.87	+1.69	H. B. B. B.		
					Nil	0.15	0.00	0.00	Nil	0.08	—0.08	7.14	1.60	+5.54			
+0.9	59.0	82	2.4	Nil	Nil	0.1	0.00	0.0	Nil	0.04	—0.04	4.24	1.62	+2.62	Nadia.		
					Nil	0.05	0.00	0.15	Nil	0.09	—0.09	6.01	2.13	+3.88	Xinina J. S. re.		
+0.7	59.3	85	3.0	Nil	Nil	0.05	0.00	0.11	Nil	0.08	—0.08	3.13	1.92	+1.21			
+1.6	61.9	6	2.6	Nil	Nil	0.05	0.00	0.15	Nil	0.05	—0.05	4.40	1.59	+2.81	Gardwan.		
+2.3	60.4	74	1.3	Nil													
+1.9	60.9	73	4.1	Nil	Nil	0.04	0.00	0.15	Nil	0.06	—0.06	4.44	1.64	+2.80	Bunkara.		
+2.2	59.2	56	3.1	0.00	0.03	0.15	0.00	0.17	0.03	0.15	—0.12	1.86	1.04	+0.82		Bithoor.	
+2.1	58.9	63	2.7	Nil	Nil	0.05	0.00	0.15	Nil	0.07	—0.07	1.11	1.55	—0.44	Muzinsabad		
+1.3	57.9	87	1.4	0.1	0.15	0.15	0.0	0.17	0.05	0.12	—0.07	0.95	1.12	—0.21	Patna.		
?	60.6	80	2.1	0.00	0.05	0.14	0.31	0.25	0.03	0.14	—0.11	0.61	1.24	—0.63		Bogra.	
?	57.1	85	2.3	0.1	0.01	0.11	0.00	0.14	0.04	0.12	—0.11	0.81	1.57	—0.76	Rajshahi.		
+2.7	57.4	88	2.1	1.2	0.23	0.05	0.40	0.13	0.23	0.19	+0.14	0.66	0.85	—0.11	Mulla.		
+1.8	55.2	93	1.1	0.37	0.21	0.14	0.75	0.13	0.21	0.11	+0.07	1.21	1.28	+0.03	Dumapoor.		
+1.8	57.6	91	5.0	0.63	0.04	0.18	0.69	0.21	0.03	0.08	—0.04	1.17	2.33	—1.16	Rangpur.		
					0.01	0.01	0.63	0.11	0.01	0.03	—0.02	0.59	1.04	—0.45		Jalalpur.	
—0.6	58.5	85	5.4	0.00	0.04	0.10	0.00	0.25	0.04	0.19	—0.06	3.41	2.34	+1.11	Kuchin.		
—	57.7	72	2.9	0.27											Dargachur.		
0	61.3	94	1.3	Nil	Nil	0.05	0.00	0.03	Nil	0.05	—0.05	12.78	4.52	+7.26		Sakm.	
					Nil	0.05	0.00	0.10	Nil	0.05	—0.05	6.60	4.22	+2.38	Gopalpur.		
+2.2	61.1	88	1.4	Nil	Nil	0.05	0.60	0.14	Nil	0.10	—0.05	7.85	3.63	+4.22	Contingent.		
+1.3	61.5	83	0.1	Nil	Nil	0.1	0.00	0.24	Nil	0.05	—0.05	15.12	4.47	+10.65	Baraknagar.		
+1.4	59.2	13	6.9	Nil	Nil	0.05	0.00	0.16	Nil	0.07	—0.07	7.20	1.61	+5.59	Nil.		
+0.7	59.6	19	2.1	Nil	Nil	0.05	0.00	0.15	Nil	0.05	—0.05	8.7	2.23	+6.47	Farrukpur.		
+2.4	61.8	19	0.7	Nil	Nil	0.15	0.00	0.25	Nil	0.15	—0.05	8	2.11	+5.89	Dumapoor.		
+2.5	58.1	92	2.0	Nil	Nil	0.00	0.00	0.17	Nil	0.05	—0.05	2.86	1.30	+1.56	Nil.		
+1.1	51.7	11	1.9	0.13	0.25	0.00	0.67	0.60	0.05	0.05	—0.05	0.2	1.30	—0.30	Syedsnagar.		
+4.1	58.7	13	6.9	0.01	0.28	0.00	0.60	0.22	0.28	0.05	—0.05	0.81	1.11	—0.20	Nil.		
+1.4	57.8	88	4.1	0.67	0.51	0.14	1.00	0.20	0.51	0.14	—0.07	6.22	1.12	+5.10	Nil.		
—	56.6	91	4.6	0.04	0.30	0.15	1.00	0.20	0.30	0.15	—0.07	0.1	1.11	—0.20	Nil.		
+2.3	61.9	12	5.4	0.15	0.10	0.15	0.50	0.20	0.10	0.15	—0.05	6.10	0.50	+5.60	Nil.		
+3.9	57.5	91	8.6	0.23	0.31	0.15	1.00	0.25	0.31	0.15	—0.05	1.10	1.00	+0.10	Nil.		
+3.5	61.2	62	4.3	0.17											Satm.		
+2.9	59.1	88	7.3	0.28	0.36	0.27	2.00	0.6	0.36	0.24	+0.14	0.6	1.12	—0.52		Stahabad.	
+5.1	59.6	86	4.4	0.26													
+3.2	58.0	83	4.7	0.02	0.10	0.16	0.25	0.30	0.10	0.1	—0.03	1.10	1.10	—0.00	Nil.		
+3.9	61.1	81	7.9	0.22	0.15	0.16	0.50	0.25	0.15	0.16	—0.01	1.10	1.10	—0.00	Nil.		
					0.01	0.11	0.00	0.20	0.01	0.01	—0.00	1.10	1.10	—0.00	Nil.		
+2.7	57.8	79	1.9	0.08	0.13	0.00	0.50	0.11	0.13	0.00	—0.00	1.10	1.10	—0.00	Nil.		
+2.4	58.7	73	7.5	0.2											Satm.		
+2.7	59.1	78	3.0	0.03													
+3.4	59.3	83	4.7	Nil	Nil	0.15	0.00	0.20	Nil	0.15	—0.05	6.10	1.10	+5.00	Nil.		
					Nil	0.11	0.00	0.16	Nil	0.11	—0.05	3.10	1.10	+2.00	Nil.		

for the last ten years. The variations are *anytime* when the mean for the week is less than the normal mean, and *positive* when greater. The numbers denoting cloud amount represent the part of the sky covered by the whole sky being divided by 10. Under the head "District" are given the names of the districts for the period in question during the past ten years. The means of the districts are the numerical average of the rainfall returned received in the which at least a tenth of an inch fell.

## Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 7th of January. 1893.

Meteorological Division.	District.	Station.	RAINFALL.							Total number of rainy days.	Rainfall of week.	Average rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 10th October 1892.	Average rainfall from 10th October to date.	
			Sunday, 1st.	Monday, 2nd.	Tuesday, 3rd.	Wednesday, 4th.	Thursday, 5th.	Friday, 6th.	Saturday, 7th.								
ORISSA.	Puri	Puri	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	10.05	0.43	...	...
		Khurda	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.04	4.72	4.4	...
		Bampur	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	5.79	5.93	...
		False Point	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.04	8.24	7.12	...
		Gop	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	5.90	...	...
		Saipara	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	7.98	...	...
		Pipli	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	5.08	...	...
	Cuttack	Jagatsingpore	...	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.08	8.40	3.92	...
		Banka	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	5.55	4.00	...
		Cuttack	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	8.40	4.00	...
		Kondrapara	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.10	6.00	4.17	...
		Jajpur	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	3.42	3.42	...
		Dharmagala	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	5.55	...	...
		Salipore	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	6.18	...	...
	Balasore	Pal Lahara	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	2.83	...	...
		Akhyapada	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	3.19	...	...
		Chandabati	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.06	4.71	3.86	...
		Bhatlak	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	6.95	2.59	...
		Soro	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	6.08	2.71	...
Midnapore	Batasore	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	10.00	3.50	...	
	Jollasore	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	4.33	1.51	...	
	Baripodah	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	7.80	1.90	...	
	Contai	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	10.74	4.91	...	
	Tamluk	...	...	...	...	...	...	...	Nil	Nil	0.12	Nil	0.12	5.45	3.60	...	
	Midnapore	...	...	...	...	...	...	...	Nil	Nil	0.12	Nil	0.12	7.82	2.12	...	
	Ghosh	...	...	...	...	...	...	...	Nil	Nil	0.18	Nil	0.18	5.51	1.07	...	
24-Parganas	Kukechali	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	3.54	...	...	
	Gachinda	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	3.51	...	...	
	Sankar Island	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.11	14.00	4.19	...	
	Diamond Harbour	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.11	6.91	2.61	...	
	Canning Town	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.11	9.24	...	...	
	Admore Observatory	...	...	...	...	...	...	...	Nil	Nil	0.17	Nil	0.17	4.85	2.51	...	
	Barackpore	...	...	...	...	...	...	...	Nil	Nil	0.15	Nil	0.15	7.79	1.76	...	
	Dum Dum	...	...	...	...	...	...	...	Nil	Nil	0.13	Nil	0.13	9.18	2.03	...	
	Barasat	...	...	...	...	...	...	...	Nil	Nil	0.12	Nil	0.12	5.78	1.98	...	
	Basichat	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.04	6.56	1.93	...	
Howrah	Howrah	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.10	3.00	2.22	...	
	Mohowaka	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.06	4.02	1.52	...	
	Udcharia	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	3.86	...	...	
Hooghly	Serampore	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.10	8.03	1.60	...	
	Hooghly	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.10	7.81	1.72	...	
	Jahannabad	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.04	4.97	1.51	...	
Nadia	Ranaghat	...	...	...	...	...	...	...	Nil	Nil	0.07	Nil	0.07	5.96	1.80	...	
	Krishnanagar	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	5.96	1.20	...	
	Chandimara	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	...	1.87	...	
	Mitherpore	...	...	...	...	...	...	...	Nil	Nil	0.02	Nil	0.02	2.90	1.41	...	
Khulna	Kushla	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.04	2.25	1.71	...	
	Satkhira	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.04	4.91	2.30	...	
	Basorhat	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.11	8.95	2.42	...	
	Kulana	...	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.08	7.79	2.56	...	
Jessore	Nalpur	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	5.14	...	...	
	Rampal	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	5.60	...	...	
	Narail	...	...	...	...	...	...	...	Nil	Nil	0.07	Nil	0.07	9.10	2.41	...	
	Jessore	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.06	13.72	2.25	...	
Burdwan	Jhondah	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.10	8.57	1.92	...	
	Mazumbar	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	7.06	1.55	...	
	Bangan	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	7.48	1.93	...	
	Kalna	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	7.29	1.52	...	
	Burdwan	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.01	5.00	1.50	...	
	Katwa	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	3.81	1.62	...	
Bankura	Raniganj	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	1.60	1.24	...	
	Manik	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	1.73	...	...	
	Bankura	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	4.50	1.65	...	
	Vishnupur	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	5.42	1.53	...	
Burdwan	Mahara	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	1.33	1.23	...	
	Khetra	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.10	6.00	2.13	...	
	Indra	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	5.43	...	...	
	Kotalpur	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	3.50	...	...	
	Onda	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	4.84	...	...	
	Gangajalghati	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	1.80	...	...	
	Rupur	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	8.30	...	...	
	Sonamukhi	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	6.21	...	...	
	Burdwan	Suri	...	...	...	...	...	...	...	Nil	Nil	0.01	0.01	0.01	1.02	1.43	...
		Jelambar	...	...	...	...	...	...	...	Nil	Nil	0.05	0.05	0.05	4.50	0.79	...
Rampur Hat		...	...	...	...	...	...	...	0.05	0.05	0.05	0.05	0.05	3.50	1.14	...	
Cholpur		...	...	...	...	...	...	...	Nil	Nil	...	...	...	2.25	...	...	
Marshallidaha	Murari	...	...	...	...	...	...	...	0.07	0.07	...	0.07	...	0.07	...	...	
	Kandi	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.01	2.41	1.21	...	
	Benampur	...	...	...	...	...	...	...	0.05	0.05	0.05	0.05	0.05	1.66	1.14	...	
	Lachar	...	...	...	...	...	...	...	0.05	0.05	0.05	0.05	0.05	3.61	0.85	...	
	Vandana	...	...	...	...	...	...	...	Nil	Nil	0.16	Nil	0.16	1.51	1.06	...	
	Jangpur	...	...	...	...	...	...	...	0.07	0.07	1.21	0.07	0.20	1.47	0.91	...	
NORTH BENGAL.	Faria	Lakshmi	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	1.15	1.04	...	...
		Akhepur	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	0.06	...	...
	Faria	Patkubara	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	2.50	...	...
		Faria	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	1.05	1.42	...
	Hogra	Sirajganj	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	0.27	1.00	...
		Shorail	...	...	...	...	...	...	...	Nil	Nil	0.15	Nil	0.15	0.78	1.44	...
	Rajshahi	Sowkhilla	...	...	...	...	...	...	...	0.09	0.09	0.10	0.09	0.10	1.18	1.32	...
		Bogra	...	...	...	...	...	...	...	0.04	0.04	0.08	0.04	0.08	0.91	1.39	...
		Patnabibi	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.10	0.91	0.68	...
		Goalia	...	...	...	...	...	...	...	0.02	0.02	0.12	0.02	0.12	1.21	1.25	...
Rajshahi	Sator	...	...	...	...	...	...	...	0.02	0	0.02	0.02	0.20	0.92	1.68	...	
	Nangaon	...	...	...	...	...	...	...	0.23	0.23	0.10	0.23	0.10	0.73	0.91	...	
	Lahore	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	0.53	0.83	...	
	Manda	...	...	...	...	...	...	...	0.05	0.05	...	0.05	...	0.55	...	...	

## Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 7th of January 1893—contd.

Meteorological Division.	District.	Station.	RAINFALL.							Total number of rainy days.	Rainfall of week.	Average rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1892.	Average rainfall from 16th Oct. to date.
			Sunday, 1st.	Monday, 2nd.	Tuesday, 3rd.	Wednesday, 4th.	Thursday, 5th.	Friday, 6th.	Saturday, 7th.							
NORTH BENGAL—contd.	Malda	Malda	...	...	...	...	...	...	0.01	Nil	0.01	0.14	0.01	0.14	1.33	1.67
		Chanchal	...	...	...	...	...	...	0.06	Nil	0.06	0.15	0.06	0.15	0.33	1.01
		Dajal	...	...	...	...	...	...	Nil	Nil	?	?	Nil	?	0.34	?
		Sikdaj	...	...	...	...	...	...	0.16	1	0.16	?	0.16	?	0.76	?
	Dinajpur	Mohindopore	...	...	...	...	...	...	Nil	Nil	0.17	Nil	0.17	0.51	0.61	0.61
		Channan	...	...	...	...	...	...	0.06	Nil	0.06	0.06	0.06	0.35	0.45	0.45
		Kaiganj	...	...	...	...	...	...	0.34	1	0.34	0.13	0.34	1.33	0.46	0.46
		Dinajpur	...	...	...	...	...	...	0.33	1	0.33	0.10	0.33	0.71	2.05	2.05
	Bangpur	Bakurkut	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.06	0.53	0.53	0.53
		Thakurgaon	...	...	...	...	...	...	0.21	1	0.21	?	0.21	?	0.21	?
		Bhawaniganj (Gyabanda)	...	...	...	...	...	...	0.05	Nil	0.05	0.13	0.05	0.13	0.58	1.46
		Rangpur	...	...	...	...	...	...	0.37	1	0.37	0.13	0.37	0.13	3.29	1.73
	Jalpaiguri	Kuriganj	...	...	...	...	...	...	0.22	1	0.22	0.15	0.22	0.15	0.43	1.09
		Bago gra	...	...	...	...	...	...	0.19	1	0.19	0.16	0.19	0.16	0.92	0.84
		(Nipnamari)	...	...	...	...	...	...	0.10	1	0.10	?	0.10	?	0.10	?
		Ulipora	...	...	...	...	...	...	Nil	Nil	0.04	0.08	0.04	0.55	1.17	2.33
	Kuch Bihar	Jalpaiguri	...	...	...	...	...	...	Nil	Nil	?	?	Nil	?	1.06	?
		Aitpur, Doon	...	...	...	...	...	...	Nil	Nil	?	?	Nil	?	1.11	?
		Falacatta	...	...	...	...	...	...	0.20	1	0.20	?	0.20	?	0.40	?
		Dehpara	...	...	...	...	...	...	0.23	1	0.23	?	0.23	?	0.41	?
	Darjeeling	Bhagatpore (Nagrakatta)	...	...	...	...	...	...	0.01	Nil	0.01	0.03	0.01	0.03	0.43	0.97
		Dinhat	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.08	1.20	1.27	1.27
		Kuch Bihar	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	0.82	1.00	1.00
		Mathabanga	...	...	...	...	...	...	0.02	Nil	0.02	0.02	0.02	1.05	0.81	0.81
	Chittagong	Raza	...	...	...	...	...	...	0.02	Nil	0.02	0.26	0.02	0.26	9.37	3.77
		Sikdaj	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.01	1.86	0.79	0.79
		Darjeeling	...	...	...	...	...	...	0.06	Nil	0.06	0.08	0.06	0.98	3.96	3.96
		Kalimpur	...	...	...	...	...	...	0.08	Nil	0.08	0.05	0.08	1.54	0.80	0.80
EAST BENGAL	Chittagong	Karagong	...	...	...	...	...	...	Nil	Nil	0.07	Nil	0.07	13.05	6.04	6.04
		Chittagong	...	...	...	...	...	...	Nil	Nil	0.12	Nil	0.12	12.50	3.75	3.75
		Kalidatta	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1.13	?	?
		Salkanga	...	...	...	...	...	...	Nil	Nil	?	Nil	?	6.61	?	?
	Chittagong Hill Tracts.	Rangamati	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	6.61	4.32	4.32
		Bandarban	...	...	...	...	...	...	Nil	Nil	?	Nil	?	4.70	?	?
		Patukhali	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	7.94	4.09	4.09
		Parajpur	...	...	...	...	...	...	Nil	Nil	0.13	Nil	0.13	7.96	3.33	3.33
	Backergunge	Barua	...	...	...	...	...	...	Nil	Nil	0.12	Nil	0.12	7.89	3.37	3.37
		Gogmaddi	...	...	...	...	...	...	Nil	Nil	?	Nil	?	5.83	?	?
		Bhola	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.03	8.18	3.48	3.48
		Dasmukh	...	...	...	...	...	...	Nil	Nil	?	Nil	?	11.90	?	?
	Noakhali	Batphal	...	...	...	...	...	...	Nil	Nil	?	Nil	?	8.20	?	?
		Noakhali	...	...	...	...	...	...	Nil	Nil	0.14	Nil	0.14	16.10	4.53	4.53
		Fanny	...	...	...	...	...	...	Nil	Nil	0.21	Nil	0.21	14.06	5.65	5.65
		Harishpore	...	...	...	...	...	...	Nil	Nil	?	Nil	?	10.46	?	?
	Faridpur	Rangam	...	...	...	...	...	...	Nil	Nil	?	Nil	?	10.73	?	?
		Madaripur	...	...	...	...	...	...	Nil	Nil	0.12	Nil	0.12	6.00	1.75	1.75
		Faridpur	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.03	10.0	1.66	1.66
		Goshundo	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	4.92	1.51	1.51
	Dacca	Mutshiganj	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.06	7.00	2.83	2.83
		Dacca	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.04	11.51	1.60	1.60
		Nayanganj	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.05	10.00	3.36	3.36
		Munshiganj	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.06	8.43	1.53	1.53
	Hill Tippera	Joydehpore	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3.86	?	?
		Agriola	...	...	...	...	...	...	Nil	Nil	0.09	Nil	0.09	6.64	3.32	3.32
		Comilla	...	...	...	...	...	...	Nil	Nil	0.16	Nil	0.16	8.70	2.59	2.59
		Chandpore	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.08	7.76	1.94	1.94
	Mymensingh	Brahmanbaria	...	...	...	...	...	...	Nil	Nil	0.20	Nil	0.20	10.37	2.50	2.50
		Ramchandrapore	...	...	...	...	...	...	Nil	Nil	?	Nil	?	7.25	?	?
		Nasirpur	...	...	...	...	...	...	Nil	Nil	?	Nil	?	10.47	?	?
		Daudkandi	...	...	...	...	...	...	Nil	Nil	?	Nil	?	4.45	?	?
	Mymensingh	Kasba	...	...	...	...	...	...	Nil	Nil	?	Nil	?	12.50	?	?
		Laksham	...	...	...	...	...	...	Nil	Nil	?	Nil	?	5.86	?	?
		Kishanganj	...	...	...	...	...	...	Nil	Nil	0.16	Nil	0.16	5.94	1.87	1.87
		Am (Tangail)	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.08	2.76	1.44	1.44
	Purnea	Mymensingh	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.10	0.41	2.01	2.01
		Jamshilur	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.08	1.74	1.08	1.08
		Naraini	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.03	3.27	3.42	3.42
		Satnakhali	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.41	?	?
	Bhagalpur	Darjapore	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1.94	?	?
		Shivpur Tapan	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3.26	?	?
		Dasgung	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.78	?	?
		Madhipura	...	...	...	...	...	...	0.35	1	0.35	0.09	0.35	0.09	0.35	1.06
	Darbhanga	Madhipura	...	...	...	...	...	...	0.20	1	0.20	?	0.20	?	0.20	?
		Patna	...	...	...	...	...	...	0.07	1	0.07	0.06	0.07	0.06	0.07	0.97
		Prothapganj	...	...	...	...	...	...	0.16	1	0.16	?	0.16	?	0.16	?
		Patna	...	...	...	...	...	...	0.04	Nil	0.04	0.10	0.04	0.10	0.33	1.20
	Bhagalpur	Patna	...	...	...	...	...	...	0.07	Nil	0.07	0.12	0.07	0.12	1.08	1.20
		Patna	...	...	...	...	...	...	0.40	1	0.40	?	0.40	?	1.94	?
		Patna	...	...	...	...	...	...	0.23	1	0.23	0.10	0.23	0.10	0.23	1.13
		Patna	...	...	...	...	...	...	0.07	1	0.07	0.13	0.07	0.13	0.09	1.04
	Bhagalpur	Madhubani	...	...	...	...	...	...	0.43	1	0.43	0.10	0.43	0.10	0.43	0.97
		Bhagalpur	...	...	...	...	...	...	0.50	1	0.50	?	0.50	?	0.50	?
		Roshera	...	...	...	...	...	...	0.30	1	0.30	?	0.30	?	0.30	?
		Roshera	...	...	...	...	...	...	0.30	1	0.30	?	0.30	?	0.30	?

## Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 7th of January 1893—conold.

Meteorological Division.	District.	Station.	RAINFALL.							Total number of rainy days.	Rainfall of week.	Average rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1892.	Average rainfall from 16th Oct. to date.
			Sunday, 1st.	Monday, 2nd.	Tuesday, 3rd.	Wednesday, 4th.	Thursday, 5th.	Friday, 6th.	Saturday, 7th.							
NORTH BENGAL—continued.	Muzaffarpur...	Sitamarhi...	...	...	...	...	0.03	...	0.13	1	0.13	0.11	0.15	0.11	0.15	0.24
		Muzaffarpur...	...	...	...	...	...	...	0.50	1	0.50	0.12	0.10	0.12	0.50	1.00
		Hajipur...	...	...	...	...	...	...	0.20	1	0.20	0.21	0.37	0.21	0.37	1.01
		Para...	...	...	...	...	...	...	0.12	1	0.23	?	0.23	?	?	?
		Mahua...	...	...	...	...	...	...	0.10	1	0.10	?	0.10	?	0.10	?
		Sikhar...	...	...	...	...	...	...	0.35	1	0.35	?	0.35	?	0.35	?
	Champana...	Motihari...	...	...	...	...	0.04	...	0.12	1	0.13	0.18	0.15	0.18	0.15	0.70
		Kotlich...	...	...	...	...	0.04	...	...	Nil	0.04	0.13	0.04	0.13	0.04	0.04
		Pasaha...	...	...	...	...	0.19	...	...	1	0.19	?	0.19	?	0.19	?
	Baran...	Barkurua...	...	...	...	...	0.08	...	0.05	Nil	0.13	?	0.13	?	0.13	?
		Hopalganj...	...	...	...	...	0.10	...	0.15	2	0.25	0.04	0.25	0.04	0.25	0.40
SOUTH BENGAL	Shahabad...	Shahabad...	...	...	...	...	0.11	...	0.30	12	0.11	0.24	0.44	0.44	0.44	1.46
		Chupra...	...	...	...	...	...	...	0.23	1	0.23	0.18	0.23	0.18	0.23	1.23
		Buxar...	...	...	...	...	0.08	...	0.10	2	0.25	0.31	0.25	0.31	0.25	1.61
		Dohri...	...	...	...	...	0.12	...	0.24	2	0.47	0.06	0.47	0.06	0.47	1.54
		Bishnua...	...	...	...	...	0.10	...	0.13	3	0.37	0.32	0.37	0.32	0.37	1.50
		Samat...	...	...	...	...	0.20	...	0.20	2	0.40	0.14	0.40	0.14	0.40	1.67
		Arrah...	...	...	...	...	...	...	0.20	1	0.20	0.25	0.20	0.25	0.20	1.34
		Mohana...	...	...	...	...	...	...	...	...	...	?	?	?	?	?
		Khari...	...	...	...	...	...	...	0.30	1	0.30	?	?	?	?	?
		Ayaz...	...	...	...	...	...	...	...	...	?	?	?	?	?	?
CHOTA NAGPUR.	Patna...	Patna...	...	...	...	...	0.15	...	0.10	2	0.25	?	0.25	?	0.25	?
		Sakra...	...	...	...	...	...	...	0.05	Nil	0.05	?	0.05	?	1.17	?
		Bassora...	...	...	...	...	...	...	0.11	1	0.11	?	?	?	?	?
		Monaharpur...	...	...	...	...	0.10	...	0.10	2	0.32	?	0.11	?	1.22	?
	Daya...	Aurangabad...	...	...	...	...	0.01	...	0.27	1	0.28	0.04	0.28	0.04	1.08	0.08
		Gaya...	...	...	...	...	...	...	0.02	Nil	0.02	0.11	0.02	0.11	0.02	0.41
		Nasrabad...	...	...	...	...	...	...	0.2	Nil	0.02	0.13	0.02	0.13	0.02	0.53
		Jaisanabad...	...	...	...	...	...	...	0.04	Nil	0.04	0.20	0.04	0.20	0.04	1.20
		Arwal...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?	?
		Daudnagar...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?	?
		Sherghata...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?	?
		Rajauli...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?	?
	Patna...	Pakri Baraun...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?	?
		Patna...	...	...	...	...	...	...	0.22	1	0.22	0.19	0.22	0.19	0.22	1.43
		Patna...	...	...	...	...	...	...	0.25	1	0.25	0.18	0.25	0.18	0.25	1.34
		Barh...	...	...	...	...	...	...	0.05	Nil	0.05	0.15	0.05	0.15	0.05	1.46
CHOTA NAGPUR.	Mouhghy...	Bihar...	...	...	...	...	...	...	0.05	Nil	0.05	?	0.05	?	0.05	?
		Bihar...	...	...	...	...	...	...	0.05	Nil	0.05	?	0.05	?	0.05	?
		Bihar...	...	...	...	...	...	...	0.05	Nil	0.05	?	0.05	?	0.05	?
		Bihar...	...	...	...	...	...	...	0.05	Nil	0.05	?	0.05	?	0.05	?
	Mouhghy...	Bihar...	...	...	...	...	...	...	0.03	Nil	0.03	0.14	0.03	0.14	0.03	1.04
		Bihar...	...	...	...	...	...	...	0.03	Nil	0.03	?	?	?	?	?
		Bihar...	...	...	...	...	...	...	0.03	Nil	0.03	?	?	?	?	?
		Bihar...	...	...	...	...	...	...	0.10	1	0.10	?	?	?	?	?
	South Paraganas...	Rajmahal...	...	...	...	...	...	...	0.22	1	0.22	0.04	0.22	0.04	0.22	1.07
		Godna...	...	...	...	...	...	...	0.12	1	0.12	0.04	0.12	0.04	0.12	0.80
		P. Kour...	...	...	...	...	...	...	0.08	Nil	0.08	0.23	0.08	0.23	0.08	0.80
		N. K. Danka...	...	...	...	...	...	...	0.23	1	0.23	0.14	0.23	0.14	0.23	1.63
CHOTA NAGPUR.	Hazaribagh...	Bachan...	...	...	...	...	...	...	0.13	1	0.13	0.14	0.13	0.14	0.13	1.34
		Hazaribagh...	...	...	...	...	...	...	0.12	1	0.12	0.11	0.12	0.11	0.12	1.28
		Hazaribagh...	...	...	...	...	...	...	0.14	1	0.14	?	?	?	?	?
		Hazaribagh...	...	...	...	...	...	...	0.17	1	0.17	?	?	?	?	?
	Lohardaga...	Lohardaga...	...	...	...	...	...	...	0.05	Nil	0.05	0.19	0.05	0.19	0.05	1.05
		Lohardaga...	...	...	...	...	...	...	0.05	Nil	0.05	?	?	?	?	?
		Lohardaga...	...	...	...	...	...	...	0.05	Nil	0.05	?	?	?	?	?
		Lohardaga...	...	...	...	...	...	...	0.05	Nil	0.05	?	?	?	?	?
	P. S. Mas...	P. S. Mas...	...	...	...	...	...	...	0.09	Nil	0.09	0.23	0.09	0.23	0.09	1.04
		P. S. Mas...	...	...	...	...	...	...	0.09	Nil	0.09	?	?	?	?	?
		P. S. Mas...	...	...	...	...	...	...	0.09	Nil	0.09	?	?	?	?	?
		P. S. Mas...	...	...	...	...	...	...	0.09	Nil	0.09	?	?	?	?	?
CHOTA NAGPUR.	Sunderbans...	Sunderbans...	...	...	...	...	...	...	0.01	Nil	0.01	0.22	0.01	0.22	0.01	1.23
		Sunderbans...	...	...	...	...	...	...	0.01	Nil	0.01	?	?	?	?	?
		Sunderbans...	...	...	...	...	...	...	0.01	Nil	0.01	?	?	?	?	?
		Sunderbans...	...	...	...	...	...	...	0.01	Nil	0.01	?	?	?	?	?
	Sunderbans...	Sunderbans...	...	...	...	...	...	...	0.07	Nil	0.07	?	?	?	?	?
		Sunderbans...	...	...	...	...	...	...	0.07	Nil	0.07	?	?	?	?	?
		Sunderbans...	...	...	...	...	...	...	0.07	Nil	0.07	?	?	?	?	?
		Sunderbans...	...	...	...	...	...	...	0.07	Nil	0.07	?	?	?	?	?
	Sunderbans...	Sunderbans...	...	...	...	...	...	...	0.07	Nil	0.07	?	?	?	?	?
		Sunderbans...	...	...	...	...	...	...	0.07	Nil	0.07	?	?	?	?	?
		Sunderbans...	...	...	...	...	...	...	0.07	Nil	0.07	?	?	?	?	?
		Sunderbans...	...	...	...	...	...	...	0.07	Nil	0.07	?	?	?	?	?

Explanation.—... indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are missing, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0.1 inch of rain has fallen.

CALCUTTA, the 10th January 1893.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS  
TAKEN IN BENGAL FOR THE WEEK ENDING 8 A.M., SATURDAY,  
THE 7TH OF JANUARY 1893.**

At the close of the previous week a very considerable barometric depression had crossed the Indus Valley and had moved eastward over Rajputana, where it existed on the 30th instant. The depression had continued to travel eastward very rapidly, and on the morning of the 31st, or the last day of the previous week, it had reached the neighbourhood of Bahraich in the North-West Provinces, but in its advance it had filled up so rapidly that on the 31st it was of comparatively little importance. In front of this depression, however, the usual very rapid increase of temperature and humidity took place, and thus at the close of the previous week temperature and humidity were unusually high in Bengal. On the 1st of January the feebly unsettled conditions left after the depression had filled up continued to give high temperature and rather high humidity with lightly to moderately clouded skies to Bengal, but the only rainfall reported was 0·02 inch at Guatong, and pressure also continued to fall very slowly over the province on this day. On the 2nd, pressure began to rise moderately over the greater part of the province, the effects of the depression to a great extent disappeared, and temperature and humidity generally fell. The sky began to clear, and again the only rainfall reported was a slight amount at Guatong. On the 3rd pressure had risen in and near the hills, but it was steady elsewhere, and a further decrease of temperature, humidity and cloud proportions took place, while the whole province on this day was rainless. On the 4th pressure increased at the majority of stations, and became in excess of the normal by about 0·04" to 0·07". Temperature, however, began to rise rapidly at the Bihar stations on this day. This was again in connection with the advance of a considerable barometric depression which had appeared over Rajputana on the 3rd, and which advanced in an easterly direction, so that on the 4th it was near Saugor, but it had also rapidly filled up and had almost disappeared. Nevertheless, it gave rather heavily clouded skies at some of the western stations, and two or three light showers were reported in South Bihar. On the 5th the depression had practically ceased to exist, though pressure was falling moderately to rather rapidly over the whole of the province. A further rather rapid increase of temperature had also occurred, while humidity had become exceedingly high, and both were in large excess on the normal. The sky also clouded over rather heavily over a large part of the province, and rainfall was again reported in parts of Bihar. A further rapid fall of pressure, amounting at many stations to nearly a tenth of an inch, took place on the 6th instant, and pressure became rather largely below the normal, while, on the other hand, temperature continued high, the excess equalling from 2 to 4°. Rainfall on this day was, however, absent. On the 7th the pressure changes were generally small but exceedingly irregular, and the distribution of pressure became decidedly abnormal, as the highest pressures were recorded in North-East Bengal, comparatively low readings being reported in the west of the province. Accompanying these disturbed conditions, the mean temperature had become about 4° in excess of the normal, humidity was very high, the sky had clouded over rapidly, and fairly general rain was reported in Bihar and North Bengal, while showers also occurred in parts of South-West Bengal and Chota Nagpur.

**Pressure.**—The variations of pressure from the normal have been very large during the week, but the mean pressure has averaged about 0·01" to 0·02" in excess of the normal. In a few cases, however, slight defects have been registered, and this is the case at Gaya, Dohri, Jalpaiguri, and Rangpur.

**Temperature.**—The mean temperature of the province for the week has been 2·1° in excess of the normal. This excess has, however, been at its greatest in Bihar and Chota Nagpur, where it has averaged about 3°.

The distribution of temperature for the week in the province generally, and its variations from the normal value are clearly seen in the table below, where the average maximum, minimum and mean temperatures at nine typical stations in different districts of the province are compared with their normal value for the period. In this week the excess has been generally most largely developed in the night or minimum temperatures, which at such stations as Gaya and Patna have been from 4° to 6° above the normal:—

*Table showing the excess or defect of the actual mean temperature from the normal for the week ending 7th January 1893.*

	Normal mean maximum temperature for the week ending 7th January.	Actual mean maximum temperature for the week ending 7th January 1893.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 7th January.	Actual mean minimum temperature for the week ending 7th January 1893.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 7th January.	Actual mean daily temperature for the week ending 7th January 1893.	Variation of actual mean from the normal.
Outlook	82·8	82·2	-0·6	59·9	60·2	+0·3	71·4	71·9	+0·5
Calcutta	75·6	77·1	+1·5	55·0	56·2	+1·2	65·3	66·6	+1·3
Dacca	70·8	72·7	+1·9	50·0	51·2	+1·2	60·4	61·9	+1·5
Burdwan	70·8	72·6	+1·8	49·0	50·2	+1·2	60·0	61·4	+1·4
Patna	72·1	73·6	+1·5	48·0	51·3	+3·3	60·0	64·1	+4·1
Gaya	74·6	75·5	+0·9	47·4	51·3	+3·9	61·0	66·1	+5·1
Purnea	74·1	75·0	+0·9	47·4	51·3	+3·9	60·7	65·0	+4·3
Risraibagh	71·3	73·0	+1·7	47·4	49·1	+1·7	59·3	61·2	+1·9
Barisal	61·9	63·2	+1·3	37·0	38·3	+1·3	49·4	50·7	+1·3

Results of the Meteorological Observations taken at the Alipore Observatory from 1st to 7th January 1893.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 3½ ft.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
		°		Inches.	°	°	°	°	°	Inches.	°	%			Inches.	
Jan.	1st	130.4	7.9	30.081	65.9	78.6	22.4	56.2	60.1	0.456	56.4	74	W by N, NNW and calm.	49	Nil	Chiefly clear ☀, ☁.
"	2nd	130.3	9.0	0.082	64.4	76.2	22.7	53.5	58.2	0.405	53.1	70	NNW, calm and variable.	33	"	Clear, ☀.
"	3rd	122.7	8.3	0.083	63.1	75.0	22.1	52.0	57.6	0.401	53.0	73	ENE and NNE ...	42	"	Clear, ☀.
"	4th	125.6	7.9	0.093	64.1	75.9	22.2	53.7	58.5	0.421	54.2	72	NNE and NNW	43	"	Chiefly clear ☀.
"	5th	128.3	6.9	0.048	64.6	76.6	22.0	54.6	59.5	0.446	55.8	75	NNW and calm	37	"	Partially cloudy, ☀.
"	6th	129.4	8.6	29.976	65.9	77.7	22.5	55.2	61.9	0.472	57.3	76	Calm and variable	32	"	Partially cloudy, ☀, ☁.
"	7th	131.4	1.7	9.06	66.8	77.7	21.1	56.6	63.1	0.50	60.6	80	WSW and calm	29	"	Partially cloudy, ☀, ☁.

The mean pressure of the seven days	...	...	...	Inches.	30.050
The average pressure of the corresponding period for 24 years, S.-G.'s Office	...	...	...	...	30.024
The total number of hours of bright sunshine	...	...	...	Hours.	53.3
The maximum possible number of hours of sunshine	...	...	...	...	75.3
The mean temperature of the seven days	...	...	...	...	65.0
The average temperature of the corresponding period for 24 years, S.-G.'s Office	...	...	...	...	67.4
The extreme variation of temperature	...	...	...	...	23.7
The maximum temperature	...	...	...	...	78.6
The highest velocity of the wind in one hour	...	...	...	Miles.	7
The highest pressure of wind on one square foot	...	...	...	lbs.	?
The mean relative humidity	...	...	...	...	74
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	...	...	...	...	71
The total fall of rain from 1st to 7th January 1893	...	...	...	Inches.	Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office	...	...	...	...	0.04
The total fall from 1st to 7th January 1893	...	...	...	...	Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office	...	...	...	...	0.04

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

☀, dew; ☁, fog.

C. LITTLE,  
For Meteorological Reporter to the Govt. of Bengal.

**PUBLIC WORKS DEPARTMENT, BENGAL.**  
**IRRIGATION BRANCH.**

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1892-93.

*Areas leased for irrigation up to end of October 1892.*

Circles.	District.	Canal.	DETAILS OF AREAS LEASED.										Rainfall, 1892-93.		Rainfall, 1891-92.		REMARKS.			
			Estimated fall discharge.	Average discharge in month.	Discharge utilized.	Approximate area of land irrigated during the year up to the end of the month.	Approximate area of land under irrigation up to the same date last year.	Five years, all crops.	Five years, khairi.	Annual leases.				Grand Total.	During end of month.	Up to end of month.				
										Khairi.	Habi.	Sugarcane.	Bladon.					Total.		
OARISA	Cuttack	Talanda, 1st reach	1,932	340	120	8,956	10.5	7,923	581	183	23	...	519	8,344	525	4935	190	54.05	Whole month's discharge. 24 days' discharge.	
		Ditto, 2nd "	898	81	187	27,439	28,005	26,344	2,072	125	28	...	2,720	28,093	725	4841	190	32.89		
		Macgonz "	766	215	...	48,003	40,700	46,945	...	1,745	38	...	1,751	50,782	607	3770	122	49.93		
		Kendrapara "	1,057	553	755	2,610	2,902	8,987	...	...	...	...	50	8,887	629	4548	072	87.21		
		Gobai "	37,042	56	42	3,274	3,324	3,258	...	...	...	...	13	3,349	Normal gauge.	...	...	...		
		Do. Extension "	618	320	42	32,227	13,130	11,735	...	...	...	...	101	11,854	712	1032	...	...		...
		Parapour "	800	318	287	21,250	20,190	21,735	...	...	...	...	276	21,834	712	1032	...	...		...
		High Level, Range I "	818	287	...	21,250	20,190	21,735	...	...	...	...	276	21,834	712	1032	...	...		...
		Ditto, ditto II "	7371	1658	1575	2,701	2,657	2,138	...	...	...	...	45	2,271	No rain gauge.	...	...	...		...
		Jampur Canal "	100	700	...	20,700	36,701	36,257	...	...	...	...	1	104	302	234	5116	232		57.56
Bihar.	Beharee	High Level, Range III	72,716	203.5	16974	26,700	36,701	36,257	...	...	...	...	104	302	234	5116	232	57.56		
		Total	...	...	...	135,680	160,113	158,819	2,623	2,704	238	...	5,775	162,003	...	...	...	...	...	
		Total of the corresponding period of last year	...	...	...	...	...	178,495	...	3,841	200	...	4,121	170,194	...	...	...	...	...	
MIDNAPUR.	Midnapore	Total	1,411	687	427	51,540	70,791	7,841	13	...	...	...	13	75,693	232	3356	039	54.74		
		Panchikera "	722	92	86	7,206	5,835	6,091	...	...	...	...	...	6,801	339	3300	034	41.05		
		1st dai Reaches, Ranges I-II	...	...	...	517	873	658	...	...	...	...	...	631	...	...	...	...	...	
BONG.	Shahabad	Total	...	...	...	80,352	51,211	86,206	13	...	...	...	13	90,272	...	...	...	...		
		Total of the corresponding period of last year	...	...	...	...	...	81,091	...	...	...	...	...	81,091	...	...	...	...	...	
		Western Main "	4,842	3,276	205	15,001	22,273	11,174	7,796	728	...	...	9,002	21,229	008	3900	120	15.22		
Sons.	Patna and Gaya.	Patna "	1,229	648	758	67,130	61,235	48,820	15,302	3,377	...	54	24,801	...	...	...	...	...		
		Patna "	5,060	2,243	25.3	1,70,300	1,22,300	67,189	17,820	...	...	108	21,229	119,258	035	3437	143	21.99		
		Total	...	...	...	531,074	297,062	257,008	58,112	7,000	...	147	74,490	262,121	...	...	...	...	...	
Sons.	Patna and Gaya.	Patna "	1,403	1,466	1,454	2,802	1,077	1,270	714	100	...	...	814	2,664	...	4730	177	34.01		
		Patna "	...	...	...	11,114	48,002	48,165	17,190	3,377	...	30	15,215	66,080	...	...	...	...	...	
		Total	...	...	...	531,074	297,062	257,008	58,112	7,000	...	147	74,490	262,121	...	...	...	...	...	
Sons.	Patna and Gaya.	Total of the corresponding period of last year	...	...	...	...	...	212,400	60,101	12,870	1,004	630	90,531	...	...	...	...	...		
		Grand Total	...	...	...	8,4163	513,106	213,001	61,374	9,854	288	187	8,707	531,003	...	...	...	...	...	
		Grand Total of the corresponding period of last year	...	...	...	...	...	202,400	60,101	23,711	1,354	520	98,643	530,531	...	...	...	...	...	

G. C. MACONCHY,  
Under-Secy. to the Govt. of Bengal.

CALCUTTA,  
The 9th January 1893.



CIRCULAR AND EASTERN CANALS.

*Approximate return of traffic for the week ending Saturday, the 31st December 1892,  
as compared with the corresponding week of the previous year.*

NATURE OF CARGO.			WEEK ENDING SATURDAY, THE 31ST DECEMBER 1892.			WEEK ENDING SATURDAY, THE 3RD JANUARY 1893.		
			Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
			No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	...	...	1,965	2,33,200	3,788	1,787	2,21,325	3,441
Jute	...	...	338	1,64,300	3,008	74	41,375	729
Firewood	...	...	85	52,075	767	125	68,525	1,039
Other articles	...	...	891	2,11,475	2,928	933	2,15,755	3,312
Total	...	...	3,279	6,61,050	10,491	2,919	5,46,980	8,521

CIRCULAR AND EASTERN CANALS.

*Approximate return of traffic for the week ending Saturday, the 7th January 1893,  
as compared with the corresponding week of the previous year.*

NATURE OF CARGO.			WEEK ENDING SATURDAY, THE 7TH JANUARY 1893.			WEEK ENDING SATURDAY, THE 9TH JANUARY 1893.		
			Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
			No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	...	...	2,000	3,07,875	5,348	2,327	4,43,065	7,497
Jute	...	...	226	1,03,350	1,775	77	46,900	770
Firewood	...	...	101	56,200	841	111	82,960	1,236
Other articles	...	...	1,016	1,95,525	2,937	959	2,19,585	3,367
Total	...	...	3,346	6,62,950	10,901	3,474	7,92,510	12,870

## EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the four weeks ending 26th November 1892, as compared with the same period of 1891.

STAPLES.	1891.		1892.		INCREASE.		DECREASE.	
	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
Cotton, raw ... ..	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
Cotton twist and yarn—	26,272	23,068	60,133	36,173	33,861	12,106	...	...
1.—European ... ..	8,594	7,763	7,481	6,973	...	...	1,113	780
2.—Indian ... ..	10,938	10,070	10,612	9,807	2,674	...	...	173
Cotton piece-goods—	1,29,405	1,36,681	1,44,291	1,67,363	14,886	29,682	...	...
1.—European ... ..	17,515	16,019	16,545	11,544	...	...	1,770	4,106
2.—Indian ... ..	...	...	...	...	...	...	...	...
Drugs and chemicals—	361	113	299	150	7	16	...	...
1.—Intoxicating other than opium ...	31,120	11,086	11,093	11,001	...	515	...	...
2.—Non-intoxicating ... ..	...	...	...	...	...	...	...	...
Dyes and dyes—	69,191	63,500	34,079	62,519	...	...	35,479	31,071
1.—Indigo ... ..	17,511	4,421	6,702	2,462	...	...	3,939	1,591
2.—Mordants ... ..	...	...	...	...	...	...	...	...
3.—Aniline dyes ... ..	...	...	...	...	...	...	...	...
4.—Cutch ... ..	3,102	1,130	2,123	1,161	...	...	1,019	...
5.—Plants and colours ... ..	7,352	3,824	8,460	4,160	...	...	...	...
6.—Others ... ..	2,867	1,058	1,008	795	...	...	...	...
Grains—	8,61,501	2,27,019	3,76,084	1,40,940	...	...	4,85,417	86,074
1.—Wheat ... ..	4,93,096	77,120	5,38,354	79,632	49,328	2,726	...	...
2.—Rice ... ..	3,41,3	1,125	13,679	2,178	5,216	1,657	...	...
3.—Jawar and bajra ... ..	51,121	17,928	1,08,108	80,480	1,16,987	62,51	...	...
4.—Gram ... ..	3,353	831	4,031	1,045	72	211	...	...
5.—Sesam seed ... ..	2,898	11,251	71,302	22,246	43,334	11,075	...	...
6.—Seeds other than oil seeds ...	2,89,394	80,630	4,10,225	1,15,324	1,20,921	38,241	...	...
7.—Others ... ..	...	...	...	...	...	...	...	...
Hides and skins—	20,004	18,280	33,678	18,831	4,074	551	...	...
1.—Hides of cattle ... ..	12,017	7,354	16,324	2,417	4,597	2,111	...	...
2.—Skins of sheep, &c. ... ..	3,717	1,921	1,075	1,302	...	...	...	...
Horns ... ..	...	...	...	...	...	...	...	...
Julia—	1,21,076	21,378	1,49,000	29,734	27,336	5,155	...	...
1.—Raw ... ..	1,08,326	5,329	1,09,304	54,560	...	...	7,952	3,592
2.—Gunny bags and cloth ...	...	...	...	...	...	...	...	...
Lac—	2,114	6,505	21,945	9,111	2,031	2,611	...	...
1.—Stick ... ..	16,036	13,036	14,344	11,287	...	...	2,100	1,855
2.—Shell lac ... ..	...	...	...	...	...	...	...	...
Leather—	2,217	849	2,305	3,823	68	2,075	...	...
1.—Unmanufactured ... ..	6,944	6,349	4,073	4,528	...	...	867	1,394
2.—Manufactured ... ..	...	...	...	...	...	...	...	...
Liquors—	11,731	7,949	12,360	6,920	628	...	...	...
1.—Beer ... ..	2,559	4,371	2,578	4,619	...	...	11	100
2.—Wines ... ..	5,043	2,990	1,763	2,301	...	...	1,716	606
3.—Spirits ... ..	...	...	...	...	...	...	...	...
Metals—	3,246	3,055	3,979	4,420	712	767	...	...
1.—Copper, unwrought ... ..	3,156	2,279	4,578	5,360	1,422	1,081	...	...
2.—Brass, unwrought ... ..	12,011	6,096	11,112	7,576	1,175	620	...	...
3.—Brass and copper, wrought ...	1,589	7,158	2,32,783	1,10,087	1,31,594	31,929	...	...
4.—Iron ... ..	3,052	3,725	4,049	2,346	380	...	...	...
5.—Tin ... ..	9,767	6,771	12,097	9,348	2,049	2,577	...	1,210
6.—Others ... ..	...	...	...	...	...	...	...	...
Oil—	2,228	712	3,085	3,070	857	1,667	...	...
1.—Castor ... ..	1,61,828	51,914	1,71,776	60,787	23,118	6,573	...	...
2.—Kerosene ... ..	9,211	5,944	11,947	5,455	2,131	1,811	...	...
3.—Others ... ..	...	...	...	...	...	...	...	...
Oil-seeds—	2,08,065	97,881	1,00,825	48,613	...	...	1,11,241	4,278
1.—Linseed ... ..	8,752	18,159	1,09,803	49,728	81,332	32,966	...	...
2.—Rape and mustard ... ..	10,733	2,111	20,836	5,180	1,223	3,779	...	...
3.—Til or jujin ... ..	67,434	16,180	61,062	16,849	...	...	3,141	...
4.—Castor ... ..	60,767	29,347	11,072	3,260	...	...	4,150	10,078
5.—Poppy ... ..	7,122	7,082	6,087	1,611	...	...	3,610	1,071
6.—Others ... ..	51,929	68,416	57,442	38,911	16,421	...	...	3,308
Opium ... ..	9,663	6,947	7,093	4,435	...	...	1,880	622
Paper and pasteboard ... ..	21,239	13,180	35,455	20,837	15,625	5,377	...	...
Provisions—	22,046	36,590	16,590	24,565	...	...	5,500	4,182
1.—Ghee ... ..	10,021	1,017	9,811	2,560	...	...	160	1,792
2.—Dried fruits and nuts ...	11,433	9,411	9,792	6,393	...	...	1,648	107
3.—Cereals ... ..	61,556	6,581	1,03,110	61,736	...	...	1,107	791
4.—Turnerite ... ..	1,00,143	1,01,963	4,86,812	98,846	...	...	3,614	6,122
5.—Others ... ..	...	...	...	...	...	...	...	...
Salt ... ..	51,111	20,071	4,086	21,971	...	1,000	1,820	...
Saltpetre, &c.—	341	476	1,191	63	163	217	...	...
1.—Saltpetre ... ..	13,022	5,224	36,024	7,796	10,502	4,672	...	...
2.—Borax ... ..	...	...	...	...	...	...	...	...
3.—Other saline substances ...	...	...	...	...	...	...	...	...
Silk, raw—	26	1	1	4	...	...	...	...
1.—Foreign ... ..	391	661	2,152	1,123	1,177	467	...	...
2.—Indian ... ..	...	...	...	...	...	...	...	...
Silk piece-goods—	88	188	17	54	...	...	71	156
1.—Foreign ... ..	559	697	1,786	830	1,136	763	...	...
2.—Indian ... ..	...	...	...	...	...	...	...	...
Spices—	3,838	1,223	2,221	2,802	...	...	...	...
1.—Pepper ... ..	19,771	5,924	16,832	7,066	...	...	1,510	1,601
2.—Other ... ..	...	...	...	...	...	...	...	...
Sugar—	28,573	10,113	17,000	6,838	...	...	...	...
1.—Drained ... ..	1,31,634	41,191	2,21,080	61,145	86,611	22,610	12,000	3,109
2.—Undrained ... ..	5,91,018	1,921	2,77,996	43,297	...	4,256	25,012	...
Stone and lime ... ..	...	...	...	...	...	...	...	...
Tin—	3	2	2	1	...	...	...	...
1.—Foreign ... ..	4,671	1,171	4,577	3,799	...	...	1	584
2.—Indian ... ..	...	...	...	...	...	...	...	...
Tinher, &c.—	33,805	10,081	63,022	6,392	15,727	...	...	1,312
1.—Timber ... ..	10,250	...	11,717	740	4,527	...	215	...
2.—Firewood ... ..	23,335	10,081	30,284	13,770	...	...	4,222	1,694
Tobacco ... ..	139	282	190	160	...	...	...	113
Umbrellas ... ..	...	...	...	...	...	...	...	...
Wool—	2,023	1,000	515	551	...	...	1,211	1,358
1.—Raw ... ..	2,120	2,449	2,270	1,607	...	...	131	571
2.—Piece goods—	6,011	5,439	6,334	7,354	...	...	12	106
a.—European ... ..	...	...	...	...	...	...	...	...
b.—Indian ... ..	...	...	...	...	...	...	...	...
3.—Shawls ... ..	...	...	...	...	...	...	...	...
All other articles of merchandise ...	1,71,651	1,61,500	3,56,121	1,85,004	...	...	...	...
Total ... ..	51,25,311	19,31,213	60,88,832	18,91,133	...	...	1,11,111	...
Coal and coke ... ..	1,00,000	...	1,00,000	...	...	...	...	...
1.—For public ... ..	31,10,000	1,00,000	38,13,456	5,30,112	6,97,456	60,214	...	...
2.—For Railway ... ..	1,11,000	10,000	1,71,288	36,014	...	16,128	22,819	...
Railway Materials—	...	...	...	...	...	...	...	...
1.—For construction and revenue ...	7,01,175	22,000	16,45,029	62,635	8,79,534	40,514	...	...
Loss-stock ... ..	...	26,136	...	17,749	...	...	...	...
Total ... ..	55,24,978	21,97,100	1,09,37,660	25,55,186	14,52,001	1,69,087	...	...

T. SIMPSON, Assistant Auditor.

TRAFFIC AUDIT OFFICE, GOODS DIVISION, JAMALPUR, the 7th January 1893

## BENGAL CENTRAL RAILWAY.

*Abstract of principal commodities carried over the Bengal Central Railway during the month of October 1892, as compared with the same month of the previous year.*

STAPLES.	1892.		1891.		TOTAL.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1892.	1891.		
Coal	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Cotton, raw	845	3	844	.....	1,471*	1,393*	78	.....
Cotton twist and yarn—					3	.....	3	.....
1.—European	.....	.....	.....	.....	.....	.....	.....	.....
2.—Indian	.....	.....	.....	.....	.....	.....	.....	.....
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	343	.....	274	.....	343	274	69	.....
b.—In boxes	.....	.....	.....	.....	.....	.....	.....	.....
2.—Indian—								
a.—In bales and bundles	.....	.....	.....	.....	.....	.....	.....	.....
b.—In boxes	.....	.....	.....	.....	.....	.....	.....	.....
Grains—								
2.—Rice	19	345	59	178	344	237	147	.....
3.—Others	183	97	117	16	280	133	147	.....
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed	.....	37	.....	22	27	22	5	.....
b.—Undressed	.....	.....	.....	.....	.....	.....	.....	.....
2.—Skins of sheep, &c.—								
a.—Dressed	.....	.....	.....	.....	.....	.....	.....	.....
b.—Undressed	.....	.....	.....	.....	.....	.....	.....	.....
Jute—								
1.—Raw—								
a.—Unscrowed	.....	3,078	8	3,818	3,078	3,826	.....	149
2.—Gunny-bags and cloth	16	2	2	.....	18	2	16	.....
Metals—								
1.—Copper, unwrought	.....	.....	.....	.....	.....	.....	.....	.....
2.—Brass, unwrought	.....	.....	.....	.....	.....	.....	.....	.....
3.—Brass and copper, wrought	.....	.....	.....	.....	.....	.....	.....	.....
4.—Iron	67	8	34	1	75	35	40	.....
5.—Tin	.....	.....	.....	.....	.....	.....	.....	.....
6.—Others	.....	.....	.....	.....	.....	.....	.....	.....
Oils—								
2.—Kerosine	113	.....	101	.....	113	101	12	.....
3.—Others	77	.....	58	.....	77	58	19	.....
Oil-seeds—								
1.—Linseed	.....	.....	.....	.....	.....	.....	.....	.....
2.—Rape and mustard	.....	.....	.....	.....	.....	.....	.....	.....
3.—Til or gingelly	.....	.....	.....	.....	.....	.....	.....	.....
4.—Niger	.....	.....	.....	.....	.....	.....	.....	.....
5.—Castor	54	22	20	60	70	98	.....	22
6.—Poppy	.....	.....	.....	.....	.....	.....	.....	.....
7.—Others	.....	.....	.....	.....	.....	.....	.....	.....
Provisions—								
2.—Betel-nuts	.....	75	.....	1,180	752	1,169	.....	417
3.—Others	13	32	16	14	45	30	15	.....
Railway plant and rolling-stock	.....	.....	.....	.....	51†	79†	.....	28
Salt	185	.....	207	7	185	214	.....	29
Sugar—								
1.—Drained	7	216	32	233	233	283	.....	32
2.—Undrained	.....	.....	.....	.....	.....	.....	.....	.....
Tobacco	32	31	20	20	62	40	22	.....
All other articles of merchandise—								
1.—Unmanufactured	388	254	281	420	643	701	.....	59
2.—Manufactured	.....	.....	.....	.....	.....	.....	.....	.....
Total	2,445	5,516	2,082	8,987	8,535	8,700	570	735

\* Includes 523 tons and 552 tons of coal during 1892 and 1891 respectively carried for Revenue, for which no "Up" and "Down" register maintained.

† Railway plant and rolling-stock 51 tons and 79 tons for the years 1892 and 1891, respectively, for which no "Up" and "Down" register maintained.

*Statement of principal commodities carried on the Bengal Central Railway during the month of September 1892.*

## DECREASES.

Betel-nuts ... .. 417 tons.

The decrease was principally in despatches from Khulna and the Flotilla stations, other modes of carriage being availed of. The increases and decreases in all other commodities are due to ordinary fluctuations of traffic and call for no special remarks.

JAMES SHAW,

*Joint Auditor and Examiner of Accounts.*

CALCUTTA, the 22nd December 1892.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 21th December 1892 on 1,615½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	*242,075	Rs. A. P. *2,80,530 13 0	Mds. S. 27,77,843 3	Rs. A. P. 6,52,000 8 0	Rs. A. P. 19,090 0 0	Rs. A. P. 9,60,420 14 0	75,847½	110,530½	186,384½
Or per mile of railway ...	.....	179 1 7	.....	403 8 8	11 12 11	594 7 2	.....	.....	.....
For previous 25½ weeks of half-year ...	6,823,666	68,27,540 1 0	8,76,25,093 0	1,32,14,303 13 0	4,07,152 13 0	2,04,40,715 11 0	1,821,455½	2,300,808½	4,122,264½
Total for 25½ weeks ...	6,865,741	71,10,039 14 0	8,84,02,936 30	1,39,66,004 5 0	4,20,233 6 0	2,14,10,160 9 6	1,897,303½	2,411,346	4,308,649½
COMPARISON.									
Total for corresponding week of previous year† ...	226,840	3,39,860 15 9	26,83,758 20	9,32,823 13 10	-70,654 3 3	11,91,029 9 4	75,755	93,002	168,757
Per mile of railway corresponding week of previous year ...	.....	207 12 7	.....	580 6 2	-44 10 3	752 8 0	.....	.....	.....
Total for corresponding 25½ weeks of previous year ...	6,633,759½	73,53,478 5 8	6,03,73,700 20	1,47,97,602 6 8	3,50,813 15 6	2,25,31,884 10 10	1,895,237	2,431,263	4,316,500

\* The decrease is due to figures for the corresponding period of 1891 having included portion of earnings on account of remount special trains run during the second half of 1891, but taken to account by E. I. R. Railway in last 12 days of December of that year.

† ½ of last period of December 1891, including supplemental. The receipts for this period included Rs. 6,10,532 on account of arrears coal freight charge recovered from State Railways.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 31st December 1892, on 1,610½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	238,717	Rs. A. P. 2,91,037 15 0	Mds. S. 29,60,718 0	Rs. A. P. 6,52,000 1 0	Rs. A. P. 80,402 0 0	Rs. A. P. 10,23,533 0 0	74,705½	107,672½	182,384½
Or per mile of railway ...	.....	180 11 5	.....	404 14 5	40 14 9	635 8 7	.....	.....	.....
For previous 25½ weeks of half-year ...	6,664,276	71,34,967 14 0	8,05,67,935 30	1,39,73,215 5 0	2,72,327 7 0	2,12,70,510 10 0	1,890,165½	2,416,134½	4,306,304½
Total for 25½ weeks ...	6,704,393	74,20,065 13 0	8,35,18,553 30	1,45,24,308 6 0	3,52,729 7 0	2,23,03,043 10 0	1,964,871½	2,524,117½	4,488,989½
COMPARISON.									
Total for corresponding last 5 days of previous year* ...	162,028½	2,34,899 15 9	19,16,091 20	6,06,302 0 1	-60,467 4 7	8,50,734 11 3	64,111½	67,072½	131,184½
Per mile of railway corresponding period of previous year ...	.....	148 6 7	.....	420 15 5	-31 14 2	537 7 10	.....	.....	.....
Total for corresponding 25½ weeks of previous year ...	6,705,787	75,98,378 5 5	6,28,90,693 0	1,54,63,804 6 0	3,30,346 9 11	2,33,62,610 6 1	1,960,348½	2,488,357½	4,437,683½

\* ½ of the last period of December 1891, including supplemental. The receipts for this period included Rs. 6,00,932 on account of arrears coal freight charges recovered from State Railways.

## TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 24th December 1892 on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	15,804	Rs. A. P. 3,975 14 0	Mds. S. 12,182 20	Rs. A. P. 569 8 0	Rs. A. P. 11 0 0	Rs. A. P. 4,556 4 0	877	91	968
Or per mile of railway ...	.....	178 11 1	.....	25 9 6	0 7 11	204 12 6	.....	.....	.....
For previous 25½ weeks of half-year ...	*451,979	*1,11,383 8 0	†1,68,358 10	†8,608 3 0	‡380 0 0	1,20,187 10 0	21,839	1,793	23,632
Total for 25½ weeks ...	467,783	1,15,350 0 0	2,00,564 30	9,677 10 0	307 0 0	1,24,744 0 0	22,716	1,584	24,300
COMPARISON.									
Total for corresponding week of previous year§ ...	15,806	3,917 13 10	8,246 10	529 14 0	28 11 11	4,276 0 0	894	60	954
Per mile of railway corresponding week of previous year ...	.....	176 1 3	.....	14 13 3	1 4 8	192 3 2	.....	.....	.....
Total for corresponding 25½ weeks of previous year ...	463,177	1,13,910 10 4	2,28,636 10	9,103 2 0	722 16 8	1,23,736 11 0	22,517	2,707	25,224

\* Added number of passengers 111 and deducted Rs. 13 1 on account of difference between the approximate and audited figures for the week ended 10th November 1892.

† Ditto mounds 114 and

‡ Ditto

§ ½ of last period of December 1891, including supplemental.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 31st December 1892, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	17,536	4,181 4 0	16,454 0	507 3 0	10 0 0	4,701 7 0	873	95	968
Or per mile of railway ...	.....	188 9 11	.....	22 12 0	0 7 2	211 4 10	.....	.....	.....
For previous 26½ weeks of half-year ...	*468,871	*1,15,614 0 0	12,00,624 30	19,078 10 0	1310 0 0	1,25,035 0 0	22,716	1,884	24,600
Total for 26½ weeks ...	486,407	1,19,830 10 0	2,16,118 30	9,685 13 0	320 0 0	1,29,746 7 0	23,589	1,979	25,568
COMPARISON.									
Total for corresponding last 5 days of previous year§ ...	11,389½	2,798 6 10	5,800 10	215 8 0	20 8 7	3,034 9 5	634	40	687
Per mile of railway corresponding period of previous year ...	.....	125 12 4	.....	10 0 6	0 14 9	137 4 7	.....	.....	.....
Total for corresponding 26½ weeks of previous year ...	474,466½	1,16,709 1 2	2,34,326 20	8,335 12 0	743 7 3	1,29,791 4 5	23,455	2,764	26,211

\* Added number of passengers 1,985 and Rs. 287½  
† Ditto mounds 100 and " 1 } on account of difference between the approximate and audited figures for the week ended 20th November 1892.  
‡ Ditto " 3 }  
§ ½ of the last period of December 1891, including supplemental.

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 24th December 1892 on 162 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	16,298	10,398 11 0	66,895 0	9,819 0 0	74 0 0	20,292 1 0	5,537	5,688½	9,225½
Or per mile of railway ...	.....	64 3 0	.....	60 0 10	0 7 4	125 4 2	.....	.....	.....
For previous 26½ weeks of half-year ...	*496,078	*8,16,348 0 0	110,84,961 0	11,111 1 8 0	11,512 0 0	1,96,732 1 0	163,563	58,447½	211,053½
Total for 26½ weeks ...	482,376	3,27,317 4 0	11,31,856 0	1,87,291 1 0	2,386 0 0	5,17,024 5 0	169,092½	62,136	221,179½
COMPARISON.									
Total for corresponding week of previous year§ ...	12,663	9,107 7 0	39,094 10	6,685 9 10	700 0 9	16,393 2 1	6,624	1,669	8,323
Per mile of railway corresponding week of previous year ...	.....	56 3 0	.....	40 10 5	4 5 2	101 3 1	.....	.....	.....
Total for corresponding 26½ weeks of previous year ...	377,294½	3,02,001 7 8	10,61,809 20	2,13,743 0 2	3,393 5 3	5,19,107 13 1	162,236	61,949	204,166

\* Added number of passengers 839 and deducted Rs. 236½  
† Do. mounds 2,476 and " 1,428½ } on account of difference between the approximate and audited figures for the week ended 19th November 1892.  
‡ Do. " 33 }  
§ ½ of last period of December 1891, including supplemental.

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 31st December 1892, on 161½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	12,492	9,786 14 0	33,104 30	9,823 10 0	69 0 0	10,670 8 0	5,589½	2,770½	8,360
Or per mile of railway ...	.....	60 10 0	.....	60 13 10	0 5 11	121 14 0	.....	.....	.....
For previous 26½ weeks of half-year ...	*423,069	*3,27,323 4 0	11,31,004 0	11,87,177 1 0	12,335 0 0	5,16,885 5 0	170,012½	69,136	221,147½
Total for 26½ weeks ...	435,561	3,37,110 2 0	11,84,098 30	1,97,000 11 0	3,445 0 0	5,31,635 13 0	171,631½	69,906½	223,537½
COMPARISON.									
Total for corresponding last 5 days of previous year§ ...	9,011½	6,596 5 5	23,570 10	4,704 0 2	300 0 6	11,709 6 1	4,731	1,213½	5,944½
Per mile of railway corresponding period of previous year ...	.....	40 4 10	.....	29 2 4	3 1 7	72 8 9	.....	.....	.....
Total for corresponding 26½ weeks of previous year ...	380,339	3,05,666 13 1	10,60,039 30	2,19,447 0 4	3,113 5 9	5,39,817 3 2	166,957	69,133½	216,110½

\* Added No. of passengers 684 and deducted Rs. 21½  
† 11½ Mds. 13s and deducted " 1½ } on account of difference between the approximate and audited figures for the week ended 26th November 1892.  
‡ Deducted " 1 }  
§ ½ of the last period of December 1891, including supplemental.

## EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K.-D., AND ASSAM-BIHAR SECTIONS.)

*Approximate Return of Traffic for the week ended 24th December 1892 on 777 miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	161,060	56,620 0 0	6,46,905 0	1,42,950 0 0	16,400 0 0	2,46,170 0 0	27,416	35,872	62,018
Or per mile of railway ...	218	111 0 0	833 0	184 0 0	93 0 0	2,48 0 0	.....	.....	.....
For previous 24 weeks of half-year ...	3,978,936	17,37,282 0 0	1,77,11,673 0	42,45,477 0 0	4,21,130 0 0	61,21,878 0 0	651,864	910,410	1,562,280
Total for 25 weeks ...	4,139,996	18,41,682 0 0	1,83,58,578 0	43,88,427 0 0	4,37,330 0 0	63,68,048 0 0	678,210	946,284	1,625,195
COMPARISON.									
Total for corresponding week of previous year ...	155,508	79,441 0 0	7,25,000 0	1,16,393 0 0	57,710 0 0	2,52,854 0 0	25,067	27,283	52,900
Per mile of railway corresponding week of previous year ...	200	102 0 0	931 0	149 0 0	67 0 0	318 0 0	.....	.....	.....
Total to corresponding date of previous year ...	4,076,280	18,85,974 0 0	1,73,38,357 0	38,75,780 0 0	4,71,077 0 0	62,32,829 0 0	677,443	911,778	1,589,621

\* Excluding steam-bent earnings.

† Audited up to week ending 29th October 1892.

## EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K.-D., AND ASSAM-BIHAR SECTIONS.)

*Approximate Return of Traffic for the week ended 31st December 1892, on 777 miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	161,676	82,690 0 0	675,988 0	1,32,470 0 0	31,570 0 0	2,59,110 0 0	27,774	32,076	59,850
Or per mile of railway ...	208	106 0 0	867 0	183 0 0	72 0 0	315 0 0	.....	.....	.....
For previous 25 weeks of half-year * ... ..	4,138,967	18,53,911 0 0	18,773,736 0	43,86,113 0 0	4,32,348 0 0	69,82,642 0 0	681,511	918,711	1,600,262
Total for 26 weeks ...	4,300,643	19,36,901 0 0	19,047,724 0	45,28,613 0 0	4,77,138 0 0	69,41,782 0 0	709,315	980,787	1,690,102
COMPARISON.									
Total for corresponding last 5 days of Dec. of previous year ...	111,178	56,713 0 0	518,507 0	82,350 0 0	41,222 0 0	1,80,324 0 0	18,333	19,436	37,329
Per mile of railway corresponding week of previous year ...	143	73 0 0	667 0	106 0 0	45 0 0	181 0 0	.....	.....	.....
Total to corresponding date of previous year ... ..	4,187,658	19,12,715 0 0	17,860,964 0	39,58,118 0 0	5,12,590 0 0	61,13,162 0 0	751,173	475,777	627,250

\* Audited up to week ending 12th November 1892.

† Excluding steam-bent earnings.

## BENGAL CENTRAL RAILWAY.

*Approximate Return of Traffic for the week ended 24th December 1892 on 125 miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	29,453	11,470 0 0	39,636 0	3,370 0 0	210 0 0	15,050 0 0	3,330	2,344	5,674
Or per mile of railway ...	236	92 0 0	177 0	27 0 0	2 0 0	121 0 0	.....	.....	.....
For previous 24 weeks of half-year* ... ..	728,955	2,47,537 0 0	12,94,847 0	1,08,198 0 0	3,880 0 0	3,39,845 0 0	89,956	50,370	140,326
Total for 25 weeks ...	758,408	2,59,007 0 0	13,34,483 0	1,11,798 0 0	4,120 0 0	3,74,925 0 0	93,286	52,714	146,000
COMPARISON.									
Total for corresponding week of previous year ... ..	21,357	10,740 0 0	51,253 0	3,131 0 0	280 0 0	14,260 0 0	3,330	2,283	5,613
Per mile of railway corresponding week of previous year ...	195	86 0 0	431 0	26 0 0	2 0 0	114 0 0	.....	.....	.....
Total to corresponding date of previous year ... ..	723,200	2,56,073 0 0	13,29,134 0	1,09,370 0 0	5,385 0 0	3,63,587 0 0	93,688	51,822	145,510

\* Audited up to week ending 29th October 1892.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for the week ended 31st December 1892, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.		Rs. A. P.					
Total traffic for the week	30,738	10,960 0 0	40,153 0	3,490 0 0	650 0 0	15,010 0 0	3,330	2,342	5,672
Or per mile of railway	246	87 0 0	320 0	28 0 0	5 0 0	120 0 0	.....	.....	.....
For previous 25 weeks of half-year	769,109	2,62,735 0 0	1,375,584 0	1,12,395 0 0	4,219 0 0	3,78,837 0 0	92,810	53,218	146,028
Total for 25 weeks	769,947	2,73,173 0 0	1,421,737 0	1,15,555 0 0	4,879 0 0	3,93,867 0 0	96,140	55,560	151,700
COMPARISON.									
Total for corresponding last 5 days of Dec. of previous year	17,339	7,679 0 0	38,753 0	2,236 0 0	275 0 0	10,190 0 0	2,379	1,635	4,014
Per mile of railway corresponding week of previous year	139	62 0 0	310 0	18 0 0	2 0 0	82 0 0	.....	.....	.....
Total to corresponding date of previous year	712,968	2,64,652 0 0	1,358,887 0	1,02,015 0 0	6,310 0 0	3,7,3477 0 0	95,372	54,902	149,774

\* Audited up to week ending 12th November 1892.

DACCA STATE RAILWAY.

Approximate Return of Traffic for the week ended 24th December 1892 on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.		Rs. A. P.					
Total traffic for the week	19,301	6,050 0 0	21,022 0	2,660 0 0	170 0 0	9,780 0 0	2,487	737	3,224
Or per mile of railway	223	81 0 0	243 0	31 0 0	2 0 0	115 0 0	.....	.....	.....
For previous 25 weeks of half-year*	419,310	1,35,345 0 0	5,91,516 0	59,429 0 0	4,895 0 0	1,92,609 0 0	60,108	19,142	79,250
Total for 25 weeks	428,511	1,42,295 0 0	6,15,538 0	65,089 0 0	5,063 0 0	2,02,449 0 0	62,595	19,879	81,474
COMPARISON.									
Total for corresponding week of previous year	16,857	5,651 0 0	21,927 0	2,008 0 0	—95 0 0	7,624 0 0	2,518	719	3,237
Per mile of railway corresponding week of previous year	196	66 0 0	250 0	24 0 0	—1 0 0	89 0 0	.....	.....	.....
Total to corresponding date of previous year	429,639	1,41,493 0 0	5,43,922 0	52,980 0 0	4,166 0 0	1,88,578 0 0	72,840	21,697	94,537

\* Audited up to week ending 29th October 1892.

DACCA STATE RAILWAY.

Approximate Return of Traffic for the week ended 31st December 1892, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.		Rs. A. P.					
Total traffic for the week	18,492	6,210 0 0	20,100 0	1,630 0 0	250 0 0	8,150 0 0	2,487	737	3,224
Or per mile of railway	215	72 0 0	234 0	20 0 0	3 0 0	95 0 0	.....	.....	.....
For previous 25 weeks of half-year*	437,212	1,42,353 0 0	6,04,391 0	54,930 0 0	5,062 0 0	2,02,305 0 0	62,606	19,879	81,474
Total for 25 weeks	445,704	1,44,563 0 0	6,24,751 0	56,049 0 0	5,552 0 0	2,10,155 0 0	65,082	19,916	81,698
COMPARISON.									
Total for corresponding last 5 days of Dec. of previous year	32,643	4,636 0 0	17,817 0	1,406 0 0	—67 0 0	5,374 0 0	1,797	514	2,311
Per mile of railway corresponding week of previous year	140	47 0 0	207 0	16 0 0	—1 0 0	62 0 0	.....	.....	.....
Total to corresponding date of previous year	441,682	1,45,439 0 0	5,61,739 0	44,505 0 0	4,110 0 0	1,93,962 0 0	74,043	22,211	96,864

\* Audited up to week ending 18th November 1892

## BENGAL AND NORTH-WESTERN RAILWAY.

(INCLUDES THE TIRHUT STATE RAILWAY.)

*Approximate Return of Traffic for the week ending 24th December 1892 on 755 miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 755 miles open ... ..	75,220	31,510	3,75,850	50,959	10,220	93,681	12,270	11,616	20,015
Or per mile of railway ... ..	9843	4226	49791	6748	13531	12328	.....	.....	.....
For previous 25 weeks of half-year* ... ..	2,170,320	8,62,730	60,93,294	8,39,004	2,26,007	19,89,637	328,584	368,401	697,255
Total for 25 weeks ... ..	2,251,540	8,94,616	70,69,144	9,50,851	2,37,217	20,82,717	341,154	383,016	724,290
COMPARISON.									
Total for corresponding week of previous year on 739 miles open ... ..	79,906	37,550	2,35,071	29,175	33,527	91,256	11,522	11,681	26,203
Per mile of corresponding week of previous year ... ..	10813	5082	31931	2730	4537	12349	.....	.....	.....
Total to corresponding date of previous year ... ..	2,219,252	8,86,000	70,29,076	8,23,590	2,08,008	19,78,168	339,262	376,221	690,186

\* Includes audited figures up to 12th November 1892.

## BENGAL AND NORTH-WESTERN RAILWAY.

(INCLUDES THE TIRHUT STATE RAILWAY.)

*Approximate return of traffic for the week ending 31st December 1892, on 755 miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 755 miles open ... ..	61,920	32,500	1,01,070	50,230	10,590	83,810	12,438	12,497	27,035
Or per mile of railway ... ..	8201	4246	53196	6725	1406	12135	.....	.....	.....
For previous 25 weeks of half-year ... ..	2,251,540	8,94,616	70,69,144	9,50,851	2,37,217	20,82,717	341,154	383,016	724,290
Total for 26 weeks ... ..	2,313,460	9,27,236	71,70,774	10,01,081	2,48,207	21,76,527	353,592	398,513	752,135
COMPARISON.									
Total for corresponding week of previous year on 739 miles open ... ..	57,070	26,825	1,68,550	14,400	23,943	65,183	8,231	10,486	18,717
Per mile of corresponding week of previous year ... ..	7723	3631	52508	1950	3240	8820	.....	.....	.....
Total to corresponding date of previous year ... ..	2,276,308	9,13,185	71,97,625	8,38,200	2,01,957	20,43,051	338,403	370,707	709,290

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for the week ending 24th December 1892 ... ..	12,963	0	0
Corresponding period of 1891 ... ..	7,174	0	0
Increase ... ..	5,789	0	0
Receipts per mile for the week ending 24th December 1892 ... ..	254	2	10
Corresponding period of 1891 ... ..	110	10	8
Increase ... ..	143	8	2
Receipts from 1st July to 24th December 1892 ... ..	3,07,988	0	0
Corresponding period of 1891 ... ..	3,07,964	0	0
Increase ... ..	24	0	0







APPENDIX TO

# The Calcutta Gazette.

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WEDNESDAY, JANUARY 11, 1893.

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## NOTICES TO MARINERS.

### GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 1.

[First Publication.]

MAURITIUS—PORT LOUIS.

*The light-ship in the roadstead has been repaired and re-moored.*

THE following Notice to Mariners, issued by Her Majesty's Government of Mauritius, is republished :—

The light-ship having been repaired is now re-moored in her former position in the roadstead of Port Louis. She is painted white, and shows a white flashing light from sunset to sunrise, visible about nine miles in every direction from seaward from the poop of a large vessel.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 9th January 1893.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

### GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 2.

[First Publication.]

INDIA, WEST COAST—GULF OF CATCH.

*Alteration in Beit harbour (Samiani island) light.*

THE following Notice to Mariners, issued by the Government of Bombay, is republished :—

Information has been received through the Agent to the Governor-General at Baroda that an additional new red sector has been placed in the Beit harbour (Samiani Island) light, extending over the Pága sandbank lying to the south-east of Chinri reef, visible through an arc of 30°, and lying between the bearings of S. 80° 30' W. and N. 69° 30' W (magnetic)

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 9th January 1893.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

[First Publication.]

NOTICE TO MARINERS—No. 3.

BAY OF BENGAL—BURMA COAST.

*A Black Can buoy laid.*

THE Port Officer, Rangoon, through the Director of the Royal Indian Marine, has given notice, that a Black Can buoy has been laid in 24 feet reduced off the tail of the Luffey Sand, in the following position :—

Chokey Point tide gauge	...	...	...	N. 79 E.
North Beacon	...	...	...	S. 58 E.
Danot Pagoda	...	...	...	South.

*(Bearings magnetic.)*

EATON W. PETLEY,

*Port Officer of Calcutta.*

Published for general information.

K. H. STEPHEN,

CALCUTTA, the 9th January 1893.

*Under-Secretary, Marine Department.*

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 4.

[First Publication.]

BENGAL—HOOGHLY RIVER.

*Universal system of buoyage—Port of Calcutta.*

IN continuation of Notice to Mariners, No. 107, dated the 20th June 1892, paragraph 5, the Calcutta Port Commissioners give further notice that the mountings of the buoys will now be as follows :—

Starboard hand buoys, coming in from sea, will be surmounted with a black staff and triangle.

Port hand buoys, coming in from sea, will be surmounted by a black staff and cylinder.

EATON W. PETLEY,

*Port Officer of Calcutta.*

Published for general information.

K. H. STEPHEN,

CALCUTTA, the 9th January 1893.

*Under-Secretary, Marine Department.*

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 5.

[First Publication.]

BAY OF BENGAL—BURMA COAST.

*Universal system of buoyage—Bassein river.*

THE Port Officer, Bassein, through the Director of the Royal Indian Marine, has given notice, that the buoys in the Bassein river have now all been painted in accordance with the Universal System of Buoyage, viz :—

On the Starboard hand *red*: and on the Port hand *black*, coming up the river; and the Fairway buoy with *black and white* horizontal bands.

There are no Middle ground buoys in the Bassein river.

EATON W. PETLEY,

*Port Officer of Calcutta.*

Published for general information.

K. H. STEPHEN,

CALCUTTA, the 9th January 1893.

*Under-Secretary, Marine Department.*

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 6.

[First Publication.]

JAPAN—INLAND SEA.

AKASHI NO SETO.

*Perch with light on Hiru iso reef.*

THE British Admiralty has given notice (No. 558 of 1892) that on 10th October 1892, an iron perch, from which is shown a red flag during the day and a *fixed red* light at night

(about 6 feet above the sea), would be erected on Hira iso reef, north side of east entrance of Akashi no Seto (Akashi strait), pending the construction of a beacon on the reef.

Approximate position: lat.  $34^{\circ} 37' 45''$  N., long.  $135^{\circ} 3' 45''$  E.

NOTE—Mariners are warned that this light may be extinguished during heavy weather.

EATON W. PETLEY,  
Port Officer of Calcutta.

Published for general information.

CALCUTTA, the 9th January 1893.

K. H. STEPHEN,  
Under-Secretary, Marine Department.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 7.

[First Publication.]

AUSTRALIA, EAST COAST—MOURILYAN HARBOUR.

*Shoal reported north-east of the harbour.*

THE British Admiralty has given notice (No. 559 of 1892) that the Commander of the R.M.S. *Arca* reports that the ship touched upon a shoal, on which the depth is estimated to be about 20 feet over soft bottom, lying with the north entrance head of Mourilyan harbour bearing S.  $44^{\circ}$  W., distant  $2\frac{5}{10}$  miles.

Approximate position: lat.  $17^{\circ} 34'$  S., long.  $146^{\circ} 11'$  E.

(Variation  $6^{\circ}$  Easterly in 1892.)

EATON W. PETLEY,  
Port Officer of Calcutta.

Published for general information.

CALCUTTA, the 9th January 1893.

K. H. STEPHEN,  
Under Secretary, Marine Department.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 8

[First Publication.]

CHINA SEA—GASPAR STRAIT.

*Bank reported in northern approach.*

THE British Admiralty has given notice (No. 566 of 1892) of the existence of a sand-bank lying in the fairway of approach to Gaspar strait from the northward. This bank, about 7 cables in extent in a north-west and south-east direction, with probably about 2 fathoms water on it in the centre, was passed within half a mile at 11h. A.M., and observations at noon gave an approximate position of lat.  $1^{\circ} 50'$  S., long.  $107^{\circ} 30' 45''$  E.

EATON W. PETLEY,  
Port Officer of Calcutta.

Published for general information.

CALCUTTA, the 9th January 1893.

K. H. STEPHEN,  
Under-Secretary, Marine Department.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

[First Publication.]

NOTICE TO MARINERS—No. 9.

SOUTH PACIFIC OCEAN—SOLOMON ISLANDS—GUADALCANAR ISLAND.

*Lengo channel—Shoals in south-east approach.*

THE British Admiralty has given notice (No. 567 of 1892) of the existence of two small shoals lying near the "Track recommended" when approaching Lengo channel from the south-east in approximately lat.  $9^{\circ} 27'$  S., long.  $160^{\circ} 28'$  E. It is stated that these shoals are known locally, and that there is about 2 fathoms water on them.

Consequent on the above, the "Track recommended" has been broken in the vicinity of these shoals on Admiralty chart No. 214.

EATON W. PETLEY,  
Port Officer of Calcutta.

Published for general information.

CALCUTTA, the 9th January 1893.

K. H. STEPHEN,  
Under-Secretary, Marine Department.

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 241.

[Second Publication.]

BAY OF BENGAL—BURMA COAST.

*Krishna shoal light—Date of alteration postponed.*

WITH reference to Notice to Mariners No. 181, dated 11th October 1892, issued by this office, intimating that the character of the Krishna shoal light will be altered from 1st January 1893, the Port Officer, Rangoon, through the Director of the Royal Indian Marine, has given further notice, that owing to the non-arrival of an important part of the new apparatus, the alteration of the light is postponed one month.

The light should be exhibited therefore on the 1st February 1893.

EATON. W. PETLEY,  
Port Officer of Calcutta.

Published for general information.

CALCUTTA, the 29th December 1892. K. H. STEPHEN,  
Under-Secretary, Marine Department.

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 242.

[Second Publication.]

BAY OF BENGAL—BURMA COAST.

*Kyauk Pyn harbour—Universal System of buoyage.*

THE Port Officer, Akyab, through the Director of the Royal Indian Marine, has given notice, that all buoys marking the channel are now painted in accordance with the International System of Buoyage, viz :—

The Starboard hand buoys are painted *red* ; and the Port hand *black* ; on entering the channel.

EATON. W. PETLEY,  
Port Officer of Calcutta.

Published for general information.

CALCUTTA, the 29th December 1892. K. H. STEPHEN,  
Under-Secretary, Marine Department.

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 243.

[Second Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

*Intended alteration in the Kutubdea light.*

WITH reference to Notice to Mariners No. 202, dated the 17th November 1891, issued by this office, a further telegraphic communication has been received from the Port Officer, Chittagong, stating that the new Kutubdea light has an interval of one minute between the revolutions or flashes ; the duration of each flash being six seconds, and its greatest intensity two seconds.

As notified in No. 77 of the 14th April 1892, the new light will be exhibited on the 1st January 1893.

EATON W. PETLEY,  
Port Officer of Calcutta.

Published for general information.

CALCUTTA, the 29th December 1892. K. H. STEPHEN,  
Under-Secretary, Marine Department.

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS.—No. 244.

[Second Publication.]

AUSTRALIA—KEPPEL BAY.

*Main channel across Wide Bay Bar ; and Lightship at Keppel bay.*

THE Port Master, Brisbane, has given notice (No. 19 of 1892) that it has been reported that the main or north channel across Wide Bay Bar lies more to the northward than for-

merly, and, consequently, that the leading beacons, which have hitherto been kept open once their own width to northward, must be kept still more open. Until the bar has been examined, and the beacons altered to meet changes, vessels must approach and use this channel with caution.

The lightship at Keppel bay will be retained in her present position until further notice.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 29th December 1892.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

#### GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 245.

[Second Publication.]

AUSTRALIA—WIDE BAY BAR.

*Channel across the Bar—Beacons altered.*

THE Port Master, Brisbane, has given notice (No. 20 of 1892) that the beacons which lead across Wide Bay Bar through the North Channel have been altered, and are now to be kept in line, bearing N. 74° W. (W. by N.  $\frac{3}{4}$  N.), magnetic.

The least depth on this lead is at present 18 feet at low-water springs.

The beacons which lead through the South Channel have also been altered, and now lead N. 53° W. (N. W.  $\frac{1}{4}$  W.), magnetic.

On this lead the least depth is now 13 feet at low-water springs.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 29th December 1892.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

#### GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 235.

[Third Publication.]

INDIA, WEST—BOMBAY COAST.

*Universal system of buoyage, Bombay harbour.*

THE Trustees of the Port of Bombay have given notice that all the Harbour and Shoal buoys in the Port have been painted in accordance with the recommendations of the Committee on the Universal System of Buoyage, namely:—

Starboard buoys painted *Red*.

Port buoys painted *Black*.

Middle Ground and Elephanta Shoal buoys painted black with white horizontal stripes.

The shapes of the buoys will also be altered in accordance with the recommendations of the Committee when it is found necessary to renew them.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 19th December 1892.

K. H. STEPHEN,  
*Under Secretary, Marine Department.*

#### GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 236.

[Third Publication.]

AUSTRALIA, NORTH COAST—PORT DARWIN.

*Charles Point light.*

THE Secretary, Marine Board, port Adelaide, has given notice (No. 11 of 1892) that on and after 1st February 1893, a light of the following description will be exhibited from *Charles Point*:—Position (approx.) lat. 12° 23' 20" S.; long. 130° 37' E. The tower is built of iron and painted red and white in horizontal bands. The focal plane of the light

is 121 feet above high water, and the light will be visible from a vessel's deck in ordinary weather 18 miles. The light will be of the first order, revolving every thirty seconds, and will show over an arc of  $257^{\circ}$ , viz.:—A green sector of  $60^{\circ}$  over the Great Fish Reef and adjacent dangers, from N.  $22^{\circ}$  E. to N.  $82^{\circ}$  E.; bright  $155^{\circ}$  from N.  $82^{\circ}$  E. to S.  $57^{\circ}$  W.; and a red sector of  $42^{\circ}$  showing over the shoals to the west of Port Darwin entrance, from S.  $57^{\circ}$  W. to N.  $81^{\circ}$  W.; the remaining arc of  $103^{\circ}$  to be obscured.

Referring to Notice to Mariners, No. 5 of 1891, mariners are hereby informed that the erection of the lighthouse on Point Emery is postponed for the present.

EATON W. PETLEY,  
Port Officer of Calcutta.

Published for general information.

K. H. STEPHEN,

CALCUTTA, the 19th December 1892.

Under Secretary, Marine Department.

# GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 231.

[Third Publication.]

AUSTRALIA, SOUTH—TASMANIA, WEST COAST.

*Entrance islet light-house Macquarie harbour.—Amended sector of red light.*

WITH reference to Notice to Mariners No. 212, dated 26th November last, issued by this office, the British Admiralty has given further notice (No. 516 of 1892) that a sector of red light would be shown from entrance islet light-house, Macquarie harbour entrance, through an arc of  $35^{\circ}$ , or from the bearing of S.  $16^{\circ}$  E. to S.  $51^{\circ}$  E.

The Government of Tasmania has given further notice that on 1st October 1892, the sector of red light would be shown from entrance islet light-house, through an arc of  $35^{\circ}$ , or from the bearing of S.  $16^{\circ}$  E. to S.  $19^{\circ}$  W. This sector is intended to cover the North spit, which extends from Entrance islet to the bar, and to guide vessels approaching from the northward when the inner leading light (*fixed green*) is obscured by Entrance islet.

Approximate position, lat.  $42^{\circ} 11' 35''$  S., long.  $145^{\circ} 13' 30''$  E.

CAUTION.—As the bar occasionally shifts to a greater or less distance from the North spit, Mariners are cautioned that they should not depend on being clear of the spit, and in the channel, directly the light changes from red to white, but should proceed as previously with the leading lights in line

(Variation  $8^{\circ}$  Easterly in 1892.)

EATON W. PETLEY,  
Port Officer of Calcutta.

Published for general information.

K. H. STEPHEN,

CALCUTTA, the 19th December 1892.

Under Secretary, Marine Department.

# GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 238.

[Third Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

*Longitude of Black conical buoy corrected.*

WITH reference to Notice to Mariners No. 187, dated 24th October last, issued by this office, a further telegraphic communication has been received from the Port Officer, Chittagong, stating that the longitude of the South Patch buoy should be  $91^{\circ} 38'$  E., not  $91^{\circ} 31'$  E. as notified in the above Notice to Mariners.

EATON W. PETLEY,  
Port Officer of Calcutta.

Published for general information.

K. H. STEPHEN,

CALCUTTA, the 19th December 1892.

Under Secretary, Marine Department.

# GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 239.

[Third Publication.]

CHINA SEA—PHILLIPPINE ISLANDS.

*Shoal northward of Nangalao islands.*

THE British Admiralty has given notice (No. 536 of 1892) of the existence of a shoal lying about 2 miles northward of the largest of the Nangalao islands. This shoal, on which

a sounding of 8 fathoms was obtained, the bottom consisting of large stones, lies with the north-west point of Kabulauan or Sombrero island bearing S.  $42^{\circ}$  W., and Tres Reyes islets N.  $45^{\circ}$  W.

Approximate position, lat.  $11^{\circ} 29' 45''$  N., long.  $120^{\circ} 9'$  E.

NOTE.—Less water may exist in the vicinity of the abovementioned shoal.

(Variation  $1^{\circ}$  Easterly in 1892.)

EATON W. PETLEY,  
Port Officer of Calcutta.

Published for general information.

K. H. STEPHEN,  
CALCUTTA, the 22nd December 1892. Under Secretary, Marine Department.

# GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 240.

[Third Publication.]

EASTERN ARCHIPELAGO—MOLUCCA SEA.

*Reef eastward of Labengki island.*

THE British Admiralty has given notice (No. 538 of 1892) of the existence of a reef, composed of coral and sand, lying about  $3\frac{1}{2}$  miles eastward of Labengki island, where 20 fathoms has heretofore been charted, with the islet south-east of Labengki island bearing S. by W.  $\frac{1}{2}$  W., and the north extreme of that island W.  $\frac{1}{2}$  N. The least depth obtained on the reef was 7 feet, but there may be shoaler water in the vicinity.

Approximate position, lat.  $3^{\circ} 24'$  S., long.  $122^{\circ} 30'$  E.

(Variation  $2^{\circ}$  Easterly in 1892.)

EATON W. PETLEY,  
Port Officer of Calcutta.

Published for general information.

K. H. STEPHEN,  
CALCUTTA, the 22nd December 1892. Under Secretary, Marine Department.







# The Calcutta Gazette.

WEDNESDAY, JANUARY 18, 1893.

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PART I.

Orders and Notifications by the Lieutenant-Governor of Bengal,  
the High Court, Government Treasury, &c.

ORDERS BY THE LIEUT.-GOVERNOR OF BENGAL.  
PROGRAMME OF HIS HONOUR THE LIEUTENANT-GOVERNOR'S  
TOUR, 1893.

January 20th ...	Dep. ...	Calcutta (Sealdah)	By rail ...	II. M. 7 5	Departure private.
" 20th ...	Arr. ...	Diamond Harbour	Do. ...	9 46	Embark on H. M. I. M. S. Guide.
" 21st ...	Arr. ...	Chittagong	By sea ...	Afternoon.	
" 22nd ...	} Halt				
" 23rd ...					
" 24th ...					
" 25th ...					
" 26th ...	Dep. ...	.....	Do. ...	Morning ...	On board the Guide to Kutub- dia and thence on the Chaffinch.
" 26th ...	Arr. ...	Cox's Bazar	Do. ...	Afternoon.	
" 27th ...	} Halt	Ditto	.....	.....	Visit Ramu.
" 28th ...					
" 29th ...	Dep. ...	Ditto	Do. ...	Morning ...	On Chaffinch <sup>t</sup> and rejoin the Guide at Kutubdia.
" 30th ...	Arr. ...	Calcutta	Do. ...	Afternoon ...	Arrival private.

His Honour will be accompanied by Mr. C. C. Stevens, Mr. W. C. Macpherson, the Hon'ble H. J. S. Cotton, C.S.I., and Captain Currie, Private Secretary.

All letters, parcels, &c., &c., to be addressed to "His Honour the Lieutenant-Governor's Camp" without the addition of any post town.

By order,  
J. W. CURRIE, *Capt*,  
Private Secretary.

Belvedere, the 9th January 1893.

## No. 5A.

**GENERAL.**—*The 10th January 1893.*—Maulvi Nazimuddin Ahmed, Sub-Deputy Collector, Lohardaga, is appointed to be Special Deputy Collector for the settlement of boundary disputes between certain Native States in the Chota Nagpur Division and in the Central Provinces.

*The 11th January 1893.*—Sergeant John McMinn is appointed to be Honorary Quartermaster of the Presidency Volunteer Rifle Battalion, *vice* Quartermaster E. Read, promoted.

*The 13th January 1893.*—Babu Balaram Moitra, Sub-Deputy Collector, Rajmahal, Southal Parganas, is allowed leave for three months, under article 291 of the Civil Service Regulations, with effect from the 7th February 1893.

Mr. J. A. Craven, Officiating Deputy Magistrate and Deputy Collector, Lohardaga, is transferred to the head-quarters station of the Palaman district.

Babu Niranjan Bhattacharjya, Officiating Deputy Magistrate and Deputy Collector, Maubhum, is transferred to the head-quarters station of the Lohardaga district.

*The 14th January 1893.*—Babu Jadu Nath Chatterjee, Probationary Sub-Deputy Collector, Nadia, is appointed to act, until further orders, as a Sub-Deputy Collector, and is posted to the head-quarters station of the Lohardaga district.

Maulvi Syed Ahmad Ali Khan, Probationary Sub-Deputy Collector, Monghyr, is appointed to act, until further orders, as a Sub-Deputy Collector, and is posted to the Bhagalpur Division.

*The 16th January 1893.*—The undermentioned officers are appointed substantively *pro tempore* to the seventh grade of Deputy Magistrates and Deputy Collectors :—

Babu Niranjan Bhattacharjya, Officiating Deputy Magistrate and Deputy Collector, Lohardaga.

Maulvi Golam Lillahi, Officiating Deputy Magistrate and Deputy Collector, on Excise work in the district of Lohardaga.

Babu Rakhal Chunder Banerjee, Officiating Deputy Magistrate and Deputy Collector, Balasore, on leave.

Mr. L. T. R. Lucas, Officiating Deputy Magistrate and Deputy Collector, Dacca.

„ J. A. Craven, Officiating Deputy Magistrate and Deputy Collector, Palaman.

Babu Pyari Mohan Basu, Officiating Deputy Magistrate and Deputy Collector, on deputation as Settlement Officer, Dakshin Shabazpur Ward's estate in the district of Backergunge.

Babu Kailas Chandra Das, Officiating Deputy Magistrate and Deputy Collector, on deputation as Manager under the Court of Wards in Chittagong.

Babu Jugdam Sahoy, Officiating Deputy Magistrate and Deputy Collector, employed on the collection of water-rates, Orissa Canals.

Babu Siva Sankar Singh, Officiating Deputy Magistrate and Deputy Collector, on special duty under the Public Works Department of this Government.

Babu Promada Nath Mookerjee, Officiating Deputy Magistrate and Deputy Collector, Dinajpur.

Mr. R. H. Anderson, Joint-Magistrate and Deputy Collector, is appointed to act temporarily as District and Sessions Judge of Murshidabad, during the absence, on deputation, of Mr. W. H. Page, or until further orders.

Babu Okroy Goomar Bose, Deputy Magistrate and Deputy Collector, Noakhali, is allowed furlough for six months, under article 371 of the Civil Service Regulations, with effect from the date on which he may avail himself of it.

*The 17th January 1893.*—Mr. Umesh Chunder Batabyal, Officiating Joint-Magistrate and Deputy Collector, on leave, is posted temporarily to the head-quarters station of the Howrah district.

Babu Rakhal Chunder Banerjee, Officiating Deputy Magistrate and Deputy Collector, Balasore, is allowed leave for three months, under article 369—1, of the Civil Service Regulations, with effect from the 11th December 1892.

Babu Upendra Nath Ghose, substantive *pro tempore* Sub-Deputy Collector, Howrah, is transferred temporarily to the Nangaon sub-division of the Rajshahi district, during the absence, on leave, of Babu Charu Chunder Chatterjee, or until further orders.

The services of Babu Mohendra Nath Gupta, Deputy Magistrate and Deputy Collector, Patna, are placed at the disposal of the Revenue Department of this Government for employment under the Director of the Department of Land Records and Agriculture, Bengal, with effect from the forenoon of the 10th January 1893.

**POLICE.**—*The 16th January 1893.*—Mr. H. C. L. Bamber, Assistant Superintendent of Police, is posted temporarily to the district of Bhagalpur on being relieved of the charge of the District Police of Khulna.

*The 17th January 1893.*—Sir William A. A. Stewart, Bart., Assistant Superintendent of Police, is allowed leave for twenty-five days, under article 291 of the Civil Service Regulations, in extension of the leave granted to him under the order of the 26th September 1892.

**POLITICAL.**—*The 17th January 1893.*—Mr. John Claude White, Assistant Political Agent, Sikkim, is allowed leave for three months, under article 291 of the Civil Service Regulations, with effect from the 10th February 1893.

**JAILS.**—*The 17th January 1893.*—In modification of the order of the 10th December 1892, Mr. W. &O. Beadon, Superintendent of the Buxar Central Jail, is appointed to be Superintendent of the Dacca Central Jail, *vice* Mr. E. W. Payne.

In modification of the order of the 10th December 1892, Mr. M. S. Emerson, Assistant Superintendent of Jails, Alipore, is appointed to be Superintendent of the Buxar Central Jail, *vice* Mr. W. &O. Beadon.

**REGISTRATION.**—*The 17th January 1893.*—Munshi Muhammad Sayed is appointed to be Rural Sub-Registrar of Bagaha in the district of Champaran.

**EDUCATION.**—*The 16th January 1893.*—Babu Mohesh Chunder Chatterjee, Officiating Deputy Inspector of Schools, Burdwan, is appointed to act in class III of the Subordinate Educational Service, during the absence, on privilege leave, of Babu Charu Chunder Chatterjee, or until further orders.

The following notifications are republished from the *Assam Gazette* :—

*No. 28J.*—*The 5th January 1893.*—Mr. W. J. Reid, I.C.S., Assistant Commissioner, Tezpur, is transferred to Gauhati.

*No. 42J.*—*The 6th January 1893.*—With effect from the 10th November 1892—

Mr. A. L. Medicott, I.C.S., Assistant Commissioner, third grade, to officiate as Assistant Commissioner, second grade.

*No. 43J.*—*The 6th January 1893.*—With effect from the 2nd December 1892—

Mr. W. A. M. Duncan, I.C.S., Assistant Commissioner, third grade, to officiate as Assistant Commissioner, second grade.

*No. 44J.*—*The 6th January 1893.*—With effect from the 28th November 1892—

Mr. A. G. Halliux, I.C.S., Assistant Commissioner, third grade, to officiate as Assistant Commissioner, second grade.

H. J. S. COTTON,  
*Chief Secy. to the Govt. of Bengal.*

## REVENUE DEPARTMENT,—OPIUM.

### NOTIFICATION—No. 2450.

*The 17th January, 1893.*—With reference to this Department Notification, No. 4339-O. of the 13th December, 1892, it is hereby declared that the Examination of European and Eurasian candidates for admission to the Opium Department will be held in Calcutta, at the Bengal Secretariat (Writers' Buildings), on the 15th, 16th, and 17th February 1893. The subjects of examination will be taken in the order and at the times specified below :—

FEBRUARY 15TH.		FEBRUARY 16TH.		FEBRUARY 17TH.
Morning.	Afternoon.	Morning.	Afternoon.	Morning.
Essay, 10 A.M. to 12-30 P.M.	English History and Literature, and Elementary Indian History, 1 P.M. to 4 P.M.	Hindustani, 10 A.M. to 12-30 P.M.	Geography, 1 P.M. to 3-30 P.M.	Arithmetic and algebra, 10 A.M. to 1 P.M.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

### NOTIFICATION.—No. 163-O.

*The 17th January, 1893.*—Mr. A. Ross, Assistant Sub-Deputy Opium Agent, is allowed furlough for 12 months, under article 371 of the Civil Service Regulations, with effect from the 15th March, 1893, or any subsequent date on which he may avail himself of it.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

### NOTIFICATION—No. 190-L.R.

*The 10th January 1893.*—Babu Sasi Mohan Talukdar, Sub-Deputy Collector, is hereby appointed to be a Revenue Officer under the provisions of the Bengal Tenancy Act, and to be an Assistant Settlement Officer in the district of Chittagong, under Rule 1, Chapter VI of the Rules framed under the said Act. He is also vested with the powers of an Assistant Superintendent of Survey in the same district under section 4 of Act V (B.C.) of 1875.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

### NOTIFICATION—No. 214-L.R.

*The 14th January 1893.*—Under section 4 of Act V (B. C.) of 1875, Mr. R. B. Smart, Extra Assistant Superintendent of Survey, is appointed to be Assistant Superintendent of Survey for the purpose of carrying out the survey in the districts of Muzaffarpur, Champaran, Saran, and Darbhanga.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## ERRATUM—No. 1901.L.R.

*The 14th January 1893.*—In the list of candidates who passed the Revenue Agents' Examination held in August 1892, published in the *Calcutta Gazette* of the 9th November 1892, against district Shahabad, Division Patna., for 1. Bal kishan Lal read 1. Bal Kishwar Lal.

C. E. BUCKLAND,  
Secy. to the Govt. of Bengal.

## NOTIFICATION—No. 246L.R.

*The 17th January 1893.*—Under section 108 of the Bengal Tenancy Act (VIII of 1885), the Lieutenant-Governor is pleased to appoint the District Judge of Muzaffarpur to be the Special Judge for the purpose of hearing appeals from the decisions of revenue officers employed under the aforesaid Act in that district.

C. E. BUCKLAND,  
Secy. to the Govt. of Bengal.

## NOTIFICATION—No. 157.

*The 17th January 1893.*—In exercise of the power conferred on him by section 5B (2), (c) (iii) of the Indian Factories Act (XV of 1881), the Lieutenant-Governor hereby declares that Messrs. Thomson and Myle's Factory at Behea, in the district of Shahabad, for the manufacture and repair of patent sugarcane mills, shall be exempted from the operation of sub-section (1) of the same section.

C. E. BUCKLAND,  
Secy. to the Govt. of Bengal.

## NOTIFICATION—No. 335S.R.

*The 17th January 1893.*—Babu Suresh Chunder Ball, Officiating Deputy Collector in charge of Excise work in the districts of Hooghly and Howrah, is appointed Deputy Collector of Income-tax in those districts in addition to his Excise duties, and under section 40 of Act II of 1886, is vested with the powers of a Collector under the Act.

H. H. RISLEY,  
Secy. to the Govt. of Bengal.

## THE ELLIOTT PRIZE FOR SCIENTIFIC RESEARCH.

With reference to notification No. 5058F in the *Calcutta Gazette* of the 28th December 1892, Part I, page 1172, the prize for scientific research will be given this year to the author of the best original essay giving the results of original research or investigation in "Mathematics" composed during the year 1893.

Any native of Bengal, including any Eurasian or domiciled European residing in Bengal, may compete for the prize.

The essays of competitors must be sent in to the President, Asiatic Society, by the end of December this year. The prize will be adjudged to the best competitor and awarded publicly at the annual general meeting of the Asiatic Society in February 1894.

Preference will be given to researches leading to discoveries likely to develop the industrial resources of Bengal. In the case of no essay being deemed by the Trustees to be of sufficient merit, no prize to be awarded, but the amount to be retained, so that in any future year two or more prizes may be given, or the prize enhanced in the case of an exceptionally good essay.

C. A. ELLIOTT }  
J. Q. FIGOT } Trustees.  
C. A. MARTIN }

## MEDICAL DEPARTMENT.

*No. 205Med.*—*The 14th December 1892.*—Surgeon-Major T. B. Moffit is appointed to have medical charge of the Barrackpore sub-division, in addition to his own military duties, with effect from the afternoon of the 12th December 1892, *vice* Surgeon-Captain G. B. French.

*No. 207Med.*—*The 16th January 1893.*—Assistant Surgeon Jogendro Nath Ghosh, of the Motihari Dispensary, held medical charge of the Civil station of Champaran, in addition to his own duties, from the 15th to the 22nd December 1892, during the absence of Surgeon-Captain T. Grainger on inspection tour.

*No. 224Med.*—*The 17th January 1893.*—Apothecary J. G. Fleming, Officiating Civil Medical Officer, Hazaribagh, is appointed to be Civil Medical Officer of Birbhum.

*No. 226Med.*—*The 17th January 1893.*—Surgeon-Captain A. H. Nott, Officiating Civil Surgeon, Birbhum, is appointed to act as Civil Surgeon of Hazaribagh.

H. H. RISLEY,  
Secy. to the Govt. of Bengal.

## JUDICIAL DEPARTMENT.

## No. 6A.

*The 10th January 1893.*—Babu Grish Chunder Chatterjee, Subordinate Judge, Tippera, is allowed privilege leave for one month, under article 306(b) of the Civil Service Regulations, in extension of the leave granted to him under the order of the 19th December 1892.

*The 12th January 1893.*—The Lieutenant-Governor accepts the resignation tendered by Mr. T. F. Peppe of his appointment as an Honorary Magistrate of the Independent Bench at Ranchi, in the district of Lohardaga.

*The 13th January 1893.*—Babu Sarada Prasad Bose, Munsif of Bhanga, Faridpur, on leave, is appointed to be a Munsif in the district of Burdwan, to be ordinarily stationed at Raniganj. He is vested with the powers of a Judge of a Court of Small Causes for the trial of suits cognizable by such a court up to the value of Rs. 50, and also with the functions of a District Court under section 26, Act VII of 1889, within the local limits of the Raniganj Munsifi.

Babu Gopal Krishna Ghose, Munsif of Raniganj, Burdwan, is appointed to be a Munsif in the district of the 24-Parganas, to be ordinarily stationed at Barnipur. He is vested with the powers of a Judge of a Court of Small Causes for the trial of suits cognizable by such a court up to the value of Rs. 50 within the local limits of the Barnipur Munsifi.

Babu Sasi Bhushan Basu, Munsif of Barnipur, 24-Parganas, is appointed to be a Munsif in the district of Faridpur, to be ordinarily stationed at Bhanga.

The Lieutenant-Governor accepts the resignation tendered by Pandit Sadasiva Viliyaratna of his appointment as an Honorary Magistrate of the Jajpur Independent Bench in the district of Cuttack.

*The 15th January 1893.*—Babu Hari Prosad Das, Munsif of Nabinagar, in the district of Tippera, is vested with the powers of a Judge of a Court of Small Causes for the trial of suits cognizable by such a court up to the value of Rs. 100 within the local limits of the Nabinagar Munsifi.

Babu Sam Sunder Patnaik is appointed to be an Honorary Magistrate of the Khurda Bench, in the district of Puri, and is vested with the powers of a Magistrate of the third class.

*The 16th January 1893.*—In supersession of the order of the 29th November last, it is notified that Babu Rajendra Coomar Bose, Subordinate Judge, Burdwan, was on leave for eleven days, viz. eight days under article 309 of the Civil Service Regulations, and the remaining period under article 306 (b) of the Regulations, with effect from the 16th November last.

Babu Shoshi Bhushan Mukherjee, Officiating Deputy Magistrate and Deputy Collector, Puri, is vested with the powers of a Magistrate of the second class.

Babu Gour Prosad Misra, B.L., is appointed to act as a Munsif in the district of Bhagalpur, to be ordinarily stationed at the Sadar station, during the absence, on leave, of Babu Devendra Nath Roy, or until further orders.

Babu Lal Gopal Sen, Munsif of Dacca, is appointed to act as Small Cause Court Judge of Dacca and Munsifiganj, and is vested temporarily with the powers of a Subordinate Judge, during the absence, on leave, of Babu Krishna Mohan Mukerjee, or until further orders.

Babu Barada Prasad Rai, B.L., is appointed to act as a Munsif in the district of Dacca, to be ordinarily stationed at the Sadar station, during the absence, on deputation, of Babu Lal Gopal Sen, or until further orders.

Babu Khirode Chandra Sen, Deputy Magistrate and Deputy Collector, Singbhum, is vested with the power to try summarily the offences mentioned in section 260 of the Code of Criminal Procedure.

Babu Satis Chunder Roychowdhury is appointed to be an Honorary Magistrate of the Independent Bench at Basirhat, in the district of 24-Parganas, and is vested with the powers of a Magistrate of the third class.

Maulvi Syed Azeul Bahman Mozaffar is appointed to be an Honorary Magistrate of the Independent Bench at Kishorganj, in the district of Mymensingh, and is vested with the powers of a Magistrate of the third class.

Under the authority vested in him by the final clause of section 357 of the Code of Criminal Procedure, Act X of 1882, the Lieutenant-Governor empowers Babu Banku Behary Dutt, Officiating Deputy Magistrate of Backergunge, to take down evidence in criminal cases in the English language.

Babu Brojo Behary Shome, Officiating Subordinate Judge of Birbhum, is appointed to act temporarily as Subordinate Judge of Purua, but to be on deputation as an Additional Subordinate Judge of the 24-Parganas until further orders.

Babu Jinali Mohun Chaudhuri is appointed to be an Honorary Magistrate of the Independent Bench at Kishorganj, in the district of Mymensingh, and is vested with the powers of a Magistrate of the third class.

*The 17th January 1893.*—Babu Kally Kumar Sarkar, B.L., is appointed to act as a Munsif in the district of Mymensingh, to be ordinarily stationed at Bagupur, during the absence, on leave, of Babu Kartik Chandra Pal, or until further orders.

Babu Narendra Kumar Chowdhuri, substantive *pro tempore* Sub-Deputy Collector, Contai, Mayagore, is vested with the powers of a Magistrate of the third class.

Mr. H. LeMesurier, Joint-Magistrate, Patna, is vested with powers under sections 110, 133, 191, and 324 of the Code of Criminal Procedure.

**GRANTS OF LEAVE TO MUNSIFS.**—*The 10th January 1893.*—Babu Nagendra Chandra Mitter, Munsif of Dubrajpur, in the district of Birbhun, is allowed leave for one month, viz. ten days under article 309 of the Civil Service Regulations, and the remaining period under article 306(b) of the same Regulations, with effect from the date on which he availed himself of it.

*The 12th January 1893.*—Babu Jadupati Banerjee, Munsif of Kalna, in the district of Burdwan, is allowed leave for five days, under article 309 of the Civil Service Regulations, with effect from the 17th to the 21st January 1893, both days inclusive.

Babu Debendra Nath Roy, Munsif of Bhagalpur, is allowed leave for thirty days, under article 307 of the Civil Service Regulations, with effect from the 31st instant, or from the date on which he is relieved.

*The 14th January 1893.*—Mr. Pran Nath Banerjee, Munsif of Krishnagar, in the district of Nadia, is allowed furlough till the 3rd February 1893, under article 371 of the Civil Service Regulations, in extension of the furlough granted to him on the 2nd June 1892.

Babu Kartick Chandra Pal, Munsif of Bazitpur, in the district of Mymensingh, is allowed leave for one month and fifteen days, viz. seven days under article 309 of the Civil Service Regulations, and the remaining period under article 306(b) of the same Regulations, with effect from the 11th February next, or from the date on which he is relieved.

H. J. S. COTTON,  
Chief Secy. to the Govt. of Bengal.

#### NOTIFICATION.

*The 10th January 1893.*—It is hereby notified that the Subordinate Judge of Hazaribagh, Jorhaddaga and Palaman in Chota Nagpur, will hold his sittings at Hazaribagh from the 6th February to the 31st March 1893.

H. J. S. COTTON,  
Chief Secy. to the Govt. of Bengal.

#### NOTIFICATION.

*The 10th January 1893.*—It is hereby notified that the Additional Subordinate Judge of Raupur will hold his sittings at Jalpaiguri on the following dates during the year 1893:—

February	...	...	...	...	16th
April	...	...	...	...	17th
June	...	...	...	...	13th
August	...	...	...	...	19th
September	...	...	...	...	18th
November	...	...	...	...	20th

H. J. S. COTTON,  
Chief Secy. to the Govt. of Bengal.

#### NOTIFICATION.

*The 17th January 1893.*—Under the provisions of section 5 of the Indian Registration Act III of 1877, the Lieutenant-Governor sanctions the establishment of a new Rural Sub-Registry Office with head-quarters at Bagaha, having jurisdiction over thana Bagaha, including the subordinate outpost of Madhubani, in the sub-division of Bettiah, in the district of Champaran. The Registration sub-district of Bettiah will henceforth be restricted to thanas Bettiah and Hardi only. This notification will take effect on and from the 1st February 1893.

H. J. S. COTTON,  
Chief Secy. to the Govt. of Bengal.

### PUBLIC WORKS DEPARTMENT,—BENGAL.

#### ESTABLISHMENT.

*The 16th January 1893.*

No. 9.—Mr. E. R. Gardiner, Assistant Engineer, has been granted by Her Majesty's Secretary of State for India furlough for one week in extension of that previously granted.

#### RAILWAY.

*The 17th January 1893.*

No. 13.—*Declaration.*—Whereas it appears to the Lieutenant-Governor of Bengal that land is required to be taken by Government at the public expense for a public purpose, viz., the Noakhali-Tippura Section of the Assam-Bengal Railway, commencing from the river Jenny in the Noakhali district to Laksham in the Tippura district, it is hereby declared for the above purpose a strip of a land about 35 miles in length, varying in width from

one hundred to three hundred and fifty feet, measuring, more or less, one thousand four hundred and forty acres, and passing through the undermentioned villages in the districts of Noakhali and Tippera, is required.

This declaration is made, under the provisions of section 6 of Act X of 1870, to all whom it may concern.

Manzas Nizkuzra, Daulatpur, Rajnagar, Fazilpur, Chalna, Tanjirpara, Kalidhar, Lakhipur, Majbaria Moheshpur, Chemaria, Talabaraja, Shahadebpur, Barahipur Barishat, Shibpur Paschim, Majlishpur, Rajnagar or Motbaria, Motbaria, Faltour, Ramour, Rashtirkul, Gazariakandi, Khanabati Dakhin, Khanabati Uttar, Rashnora, Aukora, Baukrain, Bochatooice, Rigvera, Koetra, Gnnabatty, Naranpur, Dashbalia, Barachirjula, Pijir, Jamral, Mokimpore kist, Tamurain, Tamurol, Sijecara, Sengar, Mogra, Hasampur, Bha-halanga, Modda kist, Majhikhara, Bisra, Gofrusal, Nangalkot, Haripur, Betagaon, Pannagar Bhatra, Hatanca, Tua, Askamta, Nowodi, Patah, Korthodda, Lala, Nowagaon, Ghatar, Dhani.

F. J. JOHNSTONE,  
*Secy. to the Govt. of Bengal.*

#### IRRIGATION.

*The 17th January 1893.*

**No. 10.—Declaration.**—Whereas it appears to the Lieutenant-Governor of Bengal that land is required to be taken by Government at the public expense for a public purpose, viz., for additional land in the 19th and 20th miles of the Kendrapara Canal, it is hereby declared that for the above purpose two plots of land measuring in the aggregate 2 acres and 26 poles, more or less, of standard measurement are required in the district of Cuttack, viz., first plot in the 19th mile, commencing from mauza Kusumpur, pargana Soohang, passing through mauza Jamunapur, terminating at mauza Bara Thakun, 576 feet long and averaging in width 60 feet, measuring 2 roods and 38 poles, more or less; second plot in the 20th mile, commencing from mauza Khadagpur, pargana Soohang, and terminating at mauza Baliapoola, pargana Assureswar, 2 furlongs and 10 feet long, and averaging in width 50 feet, measuring 1 acre 1 rood and 28 poles, more or less.

This declaration is made, under the provisions of section 6 of Act X of 1870, to all whom it may concern.

**No. 11.—Notification.**—It is hereby notified for general information that the Lieutenant-Governor of Bengal proposes, under the provisions of section XI of Act V (B.C.) of 1861, to pass the following rules in modification of those now in force in the Calcutta Canals and Tolly's Nala from 1st April 1893:—

I.—Every vessel on entering the Calcutta Canals or Tolly's Nala shall be liable to measurement for the purpose of ascertaining the tolls payable; and in case of any reasonable doubt arising, the Canal Officers at any toll-station shall have authority to measure a vessel notwithstanding that it was measured on entering the canal.

II.—The tonnage of every vessel, whether laden or empty, shall, for the purposes of Act V of 1861 (B.L.C.) and of these rules, be determined by the following measurements:—

A.—The product of quarter the length of the vessel from stem to stern, measured along the water line, multiplied by the interior greatest breadth of the vessel, multiplied by the depth from the waterline to the bottom of the vessel, is to be taken as the number of maunds upon which toll shall be levied.

B.—The measurement of the length is to be made in feet, rejecting inches; the measurement of the breadth and depth is to be made in feet and quarters of a foot, rejecting portions of less than a quarter of a foot in net depth.

C.—In calculating the amount of toll to be levied, any portion of 100 maunds less than 10 maunds is to be omitted.

D.—Provided that in the case of vessels which entered the canals at Chitpore, Kienderpore, and Chetla empty for the purpose of loading therein, the depth shall be measured from the line of usual immersion as visible on the outside of the vessel to the bottom of the vessel, and not from the line of actual immersion at the time of measurement.

E.—In the case of steamers the tonnage, as determined by clauses A, B, C, and D, shall be reduced by one-third as an allowance for engine space.

III.—Every vessel entering the canals shall be furnished with a ticket on payment of the prescribed toll. The manjee's name, the date and hour of entry, the manndage of the vessel, the cargo it contains, and amount of toll charged, shall be entered in this ticket to identify the vessel on which toll has been paid.

IV.—Every person in charge of a boat, raft, or float, who shall pass in the canal without tendering the toll due, or who shall pass out of the canal without delivering to the toll-keeper the ticket of entrance and paying the rent that be due, shall be liable to be detained and punished according to section 10 of Act V of 1861.

V.—This ticket may be demanded and inspected by any Canal Officer, and must be kept on board and at hand for that purpose.

VI.—Every person in charge of boats entering the Calcutta Canals from the eastward must tender his toll ticket to the officer at Dhappa and Panspotta pass-stations to have it examined, stamped, and signed; and for those entering from the westward, must deliver up the toll tickets at the above pass-stations and receive in lieu a pass, which pass



must be delivered to the toll-keeper at entrance of canals. Every such person must also pay all dues, or be liable to be detained and dealt with according to section 10 of Act V of 1864.

VII.—Every person in charge of a boat found in the canals (westward of the pass-station) with toll tickets unstamped or unsigned by a pass-station-keeper will be detained and treated as having no toll ticket under section 10 of Act V of 1864.

VIII.—The manjce or owner of every vessel not having a ticket on board and producible on demand shall be liable to the provisions of section 10 of the Canals Act.

IX.—Duplicates of lost tickets, of which the numbers and date of entry can be satisfactorily established, will be granted by the Collector on further payment of a sum equal to the original amount of toll.

X.—During the detention of any vessel under section 9 of these rules, or under any other provision of the Act, the duty of Canal Officers will be to see that the vessel or its cargo are not clandestinely removed; but they are in no way responsible for its safety, for which the manjce, owner, or agent must make their own arrangements.

XI.—The purchaser of a vessel sold under these rules, and under the Act, will have the option of taking it out of the canal on the day of purchase, or of taking out a fresh toll ticket at the rate fixed by the Schedule of Tolls in force for the time being.

XII.—No boat engaged by any officer of Government, whether civil or military, shall be exempt from toll, on the ground that the officer is travelling on public duty. The only exception of this rule shall be in the case of vessels specially engaged in the conveyance of troops on military duty.

XIII.—All vessels the *bona fide* property of Government, or employed on works connected with the maintenance or improvement of the canals, and duly certified as such, shall be exempted from these tolls and charges. No other vessels whatever shall be exempted.

XIV.—Every vessel, raft, or float, which has paid toll, shall be allowed three days for passing through Circular Canals, and two days for Tolly's Nala between Gurieah and Kudderpore, and three days for Soorahs outside Dhappa Lock, the days of entering and of leaving being both included. In addition to these three days, they may, without further payment, remain in the canals for the further undermentioned periods, that is to say—

*Circular Canal boats.*—One day for every hundred maunds up to three hundred maunds of measurement, and one day for every two hundred maunds above three hundred maunds.

*Tolly's Nala boats.*—Two days for first hundred maunds, and one day for every hundred maunds above first hundred maunds.

*Soorahs outside Dhappa Lock.*—Same as for Tolly's Nala.

*Floats in either channels.*—Two days for any number of timbers not exceeding fifty, and one day for every additional fifty.

*Rafts in either channels.*—Two days for any number of bamboos not exceeding five hundred, and one day for every additional five hundred.

XV.—Every vessel, raft, or float remaining in any part of the aforesaid canals longer than the period allowed under the foregoing rules shall, for each day in excess of such period, be charged demurrage equal to one-half of the toll; and every vessel remaining more than thirty days in either of the canals shall, for each day in excess of thirty days, be charged demurrage equal to the full rate of toll, provided that in no case the demurrage charged shall exceed Rs. 5 per diem.

XVI.—Any vessel remaining in the canal more than two months without authority from the Supervisor shall be summarily removed.

XVII.—Boats requiring repairs shall be allowed to enter Dhappa Docks and remain there for a maximum period of thirty days, during which they will be charged at the rate of one-sixth part of the demurrage chargeable under Rule XV. Any boat remaining in the docks longer than thirty days without the special permission of the Supervisor shall pay demurrage at the toll rate for such excess period.

XVIII.—No vessel shall be docked for repairs on the bank of the Calcutta Canal or of Tolly's Nala.

XIX.—Whenever mooring posts may have been put up by the Supervisor, vessels shall be made fast by the head and stern along the banks to such posts, and shall not be moored in any other manner.

XX.—The Supervisor may by notification prohibit the dropping of anchors or the putting up of bamboos or luggies in any part of the canals or on the banks; and in such parts no anchors shall be dropped, or luggies put up, under a penalty of fifty rupees, and of a fine not exceeding four rupees a day for continued disobedience of an order for removal issued by the Supervisor.

XXI.—Boats whilst loading or unloading in the canals will be allowed to use ladders; but the ladders must be gradually taken in as the water rises.

XXII.—As the water falls, the head and stern ropes must be loosened, and boats gradually pushed towards the centre of the canal; when the flood comes in, these two ropes must be gradually pulled in, and the boat kept as close to the bank as possible.

XXIII.—Only one boat shall be allowed to make fast along and in line with the canal banks, and no boat shall be made fast or be placed outside of boats so secured. No boat or raft shall be placed in such a position as to endanger the safety of other boats or obstruct the passage of other boats.

XXIV.—Boats passing through the canals shall keep in separate lines, empty boats keeping close to the bank and those that are laden in the centre.

XXV.—Hackeries, carts, bullocks, &c., using the canal roads shall, when stationary, be ranged on the side of the road farthest from the canal bank.

XXVI.—In portions of the canals where only one towing-path exists, vessels shall moor on the off side, and the towing-path side shall always be kept clear.

XXVII.—No persons shall place obstructions on the canal banks, roads, drains, or bridges (when such are on canal land), so as to impede a free passage along them or cause injury to them, or shall commit a nuisance, or deposit filth of any sort on the banks or in the canals.

XXVIII.—Any vessel, vehicle, or any other thing that may cause an obstruction to navigation, or to the banks, roads, drains, and bridges, or injury to the same, will be liable to be immediately removed and detained till all expenses incurred on account of removal, demands, and fines are paid. If a charge be not paid within ten days from date of detention, the said vessel, vehicle, or other thing will be sold to defray expenses.

XXIX.—“Whoever personally or by his or her servant infringes the provisions of any of the paragraphs 18, 19, and 20 to 27, both inclusive, of the foregoing rules, shall be liable, under section II, Act V of 1864 (B.C.), to a fine not exceeding Rs. 50 for any one such infringement, or to a fine not exceeding Rs. 5 a day for a continued infringement.”

XXX.—At the instance of the Collector of Tolls, any Magistrate who imposes a fine under section 11 or 16 of the Act may award any portion of such fine to the informer.

XXXI.—Any person who wilfully or negligently allows a vessel to sink in the canals shall be liable to a fine not exceeding Rs. 50.

XXXII.—In every case of wreck caused by negligence or otherwise, the Supervisor and his subordinates will give every assistance in removing the same.

XXXIII.—A notice shall be affixed on such wreck when recovered, calling on those concerned to pay to the Collector all toll which may be due, or fine which may have been adjudged, as well as the expenses incurred in the recovery or removal of the wreck; and intimating that, if the sum be not paid within fifteen days of the date of notice, the boat and its furniture, or so much of it as may be necessary for the recovery of the dues, will be sold, the proceeds of the sale being dealt with as directed in section 9 of the Act.

XXXIV.—Every Canal Officer is authorized to remove any vessel, anchor, pole, or other thing which he may find in a position which is in contravention of these rules, and to deal with it in such a manner as may be necessary to give effect to the rules.

XXXV.—Whenever any laden vessel is seized by a Canal Officer, it shall be the duty of the Supervisor to give immediate notice of the same to the owner or his agent, requiring the removal of the cargo without delay, and informing him that he will be required to pay all expenses necessary for the proper custody and storage of the same.

XXXVI.—If the Supervisor be unable to ascertain the name and place of business or of abode of the owner of the cargo of any vessel or boat seized under the Canals Act, he shall notify the seizure by advertisement in his office, and in one or more of the Calcutta newspapers or advertisement papers. Such notice shall call upon the owner to cause the immediate removal of the cargo, and to pay any necessary expenses incurred in providing for its proper custody and storage.

XXXVII.—The Supervisor may incur whatever expense he may think necessary for the proper custody and storage of the cargo of any vessel seized under the Canals Act; and if the cargo be not removed within ten days from the date of seizure, he may sell the same at public auction to the highest bidder, after giving ten days' notice of the same by advertisement in one or more Calcutta newspapers or advertisement papers and affixed in his office.

XXXVIII.—The money realized at such a sale shall be applied first to defray any expenditure that may have been incurred by the Supervisor on account of the cargo sold, and the balance, if any, shall be held in deposit to be paid to the owner of the said cargo on his applying for the same.

No. 12.—*Notification*.—In supersession of the rates of tolls fixed by Notification No. 286, dated 2nd August 1886, published at page 906, Part I of the *Calcutta Gazette* of the 4th August 1886, the Lieutenant-Governor of Bengal proposes, under section VI of Act V (B.C.) of 1864, to fix the following revised rates of tolls to be levied, on and after the 1st April 1893, on the undermentioned canals and channels:—

I.—The Circular Canal, comprising the whole of the still-water canal between the Dhappa and Chitpore Locks, together with its junction with the river Hooghly and the Orange Soorah at Dhappa.

II.—The Central Lake Channel from its junction with the Calcutta Canal at the Dhappa Lock to its junction with the Biddiadharee river at Bamunghatta.

III.—The Nowbhanga Khal, extending northwards for a mile from its junction with the Central Lake Channel below the Dhappa Lock.

IV.—The Soorah from its junction with the Central Lake Channel below the Dhappa Lock, and extending to the fish market situated adjacent to, and to the west of the Dhappa Inspector's residence.

V.—Tolly's Nala, extending from a line drawn across the nala 25 feet west of the Hastings bridge at Kidderpore to the Biddiadharc river at Samookpotta.

No.	DESCRIPTION OF VESSELS.	ENTERING THE CALCUTTA CANALS AT CHITPORE OR TOLLY'S NALA AT KIDDERPORE OR CHETLA.		Entering the Calcutta Canals or Tolly's Nala from the eastward.	Salties entering Tolly's Nala at Russa or Chetla.	At Dhappa, Russa, and Gurreah, going east if not cleared by the toll paid at Chitpore or Kidderpore.
		If not proceeding further eastward than Dhappa or Russa or to river Hooghly.	If proceeding further eastward than Dhappa or Russa.			
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1	On all boats, steamers, or other vessels, except those laden with rice, lime, or firewood per 100 maunds tonnage by canal measurement	0 14 0	1 12 0	1 12 0	1 12 0	.....
2	On all boats, steamers, or other vessels laden with rice, per 100 maunds tonnage	0 12 0	1 8 0	1 8 0	.....	.....
3	On all boats, steamers, or other vessels laden with lime or firewood, per 100 maunds canal measurement	0 8 0	1 0 0	1 0 0	1 0 0	.....
4	On floats of roughly squared timbers, each timber	0 3 0	0 6 0	0 6 0	.....	.....
5	On floats of unwrought timber, each timber	0 1 6	0 3 0	0 3 0	.....	.....
6	On rafts of bamboos for each hundred or portion of each hundred	0 1 6	0 3 0	0 3 0	.....	.....
7	On salties under 25 maunds by measurement entering by Russa toll station	.....	.....	.....	0 8 0	.....
8	On salties of 25 maunds and less than 50 maunds by measurement entering by Russa toll station	.....	.....	.....	1 0 0	.....
	Larger salties will be charged at the rate given in No. 1 above.	.....	.....	.....	.....	.....
9	Minimum toll on all boats, floats, or rafts	0 4 0	0 4 0	0 4 0	0 4 0	0 4 0
10	Toll on all boats, steamers, or vessels laden or empty which have already paid toll and are returning eastwards per 100 maunds tonnage	.....	.....	.....	.....	0 12 0
11	Monthly tickets at six times the ordinary toll as indicated by the above rates are, at the option of the payers, issued to boats carrying perishable articles going to Orphanbazar Bazar or to the fish Soorah at Dhappa.	.....	.....	.....	.....	.....
12	<i>Excess tolls.</i> —Vessels which are passing through the canals, and which enter either empty or partially loaded, are liable to pay excess tolls at the above rates, if their tonnage by canal measurement is greater when they are leaving the canals than it was when they entered them. Vessels entering at Chitpore, Kidderpore, and Chetla for the purpose of loading in the canals pay at the time of entry with reference to their line of usual immersion according to canal rules.	.....	.....	.....	.....	.....
	<i>Demurrage.</i> —Every vessel, raft, or float, which has paid toll, shall be allowed three days for passing through Circular Canals, and two days for Tolly's Nala between Gurreah and Kidderpore, and three days for Soorahs outside Dhappa Lock, the days of entering and leaving being both included. In addition to these three days, they may, without further payment, remain in the canals for the further undermentioned periods, that is to say— <i>Circular Canal boats.</i> —One day for every hundred maunds up to three hundred maunds of measurement, and one day for every two hundred maunds above three hundred maunds. <i>Tolly's Nala boats.</i> —Two days for first hundred maunds and one day for every hundred maunds above first hundred maunds. <i>Soorahs outside Dhappa Lock.</i> —Same as for Tolly's Nala. <i>Floats in either channels.</i> —Two days for any number of timbers not exceeding fifty, and one day for every additional fifty. <i>Rafts in either channels.</i> —Two days for any number of bamboos not exceeding five hundred, and one day for every additional five hundred.	.....	.....	.....	.....	.....
	Every vessel, raft, or float remaining in any part of the aforesaid canals longer than the period allowed under the foregoing rules shall, for each day in excess of such period, be charged demurrage equal to one-half of the toll; and every vessel remaining more than thirty days, in either of the canals, shall, for each day in excess of thirty days, be charged demurrage equal to the full rate of toll, provided that in no case the demurrage charged shall exceed Rs. 5 per diem.	.....	.....	.....	.....	.....
	<i>NOTE.</i> —Open dinghies accompanying large boats are entitled to the same demurrage allowance of time as the parent boats.	.....	.....	.....	.....	.....
	Steamers or flats passing through the lower Sunderbans channels pay tolls at the rate of Rs. 5 (five) each before leaving and on return to Calcutta.	.....	.....	.....	.....	.....

C. W. ODLING,  
Joint-Secy. to the Govt. of Bengal.

### GOVERNMENT OF BENGAL,—MARINE DEPARTMENT.

The 14th January 1893.

*No. 1 Marine.*—In exercise of the powers conferred upon him by section 22 of Act VI of 1884 (The Inland Steam-Vessels Act), the Lieutenant-Governor is pleased to appoint the gentlemen named below for the purpose of examining the qualifications of persons desirous of obtaining certificates of competency as first and second class Masters and Serangs of inland steam-vessels at the examination which will be held this day:—

*Examiners of candidates for certificates of competency as first class Masters.*

The Port Officer	...	...	President.
Mr. F. F. Collingwood, Branch Pilot	...	...	Members.
Mr. F. T. Rayner, Branch Pilot	...	...	
Captain W. M. Reaks, certificated Master under the	...	...	
Inland Steam-Vessels Act	...	...	

*Examiners of candidates for certificates of competency as 2nd class Masters and Serangs.*

The Port Officer	...	...	President.
Mr. F. F. Collingwood, Branch Pilot	...	...	Members.
Captain W. M. Reaks, certificated Master under the	...	...	
Inland Steam-Vessels Act...	...	...	

*The 17th January 1893.*

*No. 2 Marine.*—Whereas it appears that the actual income of the Commissioners for the Port of Calcutta under Act III of 1890 up to the 31st October 1892, and the estimated income of the residue of the year ending the 31st March 1893, after deducting therefrom the actual expenditure for the above period and the estimated expenditure of the remaining portion of the year, will be insufficient for the payment of the sums which, under the provisions of the said Act, are payable during the year to the Secretary of State for India in Council, and to the holders of debentures under the said Act, it is hereby notified that from the 1st of January 1893 the Port Commissioners shall charge upon all goods landed from or shipped into any sea-going vessel lying or being within the limits of the port, whether such goods shall or shall not be so landed or shipped at any dock, wharf, quay, stage or jetty belonging to the Commissioners, in addition to, or other than those prescribed by, any scale of tolls, dues, rates and charges now in force, a toll which shall approximate four annas per ton, except for export coal, the charge on which shall be two annas per ton and on bunker coal which shall be free. Goods transhipped within the port are exempt, also ballast with the exception of dressed stone. For the purpose of levying such toll on miscellaneous general cargo landed or shipped at the Kidderpore Docks or at the Jetties, the Commissioners will follow the schedules of charges prescribed for the Docks and the Jetties and charge one-fifth of the rates therein specified; but where the landing or shipping charge is in these schedules levied on the ton by weight, then the special charge under this notification shall be four annas per ton. For the purpose of levying such toll on goods landed or shipped over the Inland Vessels Wharves, the ton shall be reckoned at the respective weights and measurements given in the schedule in force for those wharves, and this schedule shall apply to all goods which are shipped without either passing through the Docks or over the Jetties or Inland Wharves.

This Department's Notification No. 112 Marine, dated 29th November 1892, is hereby cancelled.

C. W. ODLING,  
*Joint-Secy. to the Govt. of Bengal.*

## JAIL DEPARTMENT.

*No. 349, dated the 14th January 1893.*—Assistant Surgeon Dina Nath Sanyal held charge of the Jessore Jail from the forenoon of the 26th October 1892 to the forenoon of the 5th November 1892.

A. D. LARMORE,  
*For Insp.-Genl. of Jails, Bengal.*

## CIVIL MEDICAL DEPARTMENT, BENGAL.

*No. 336, dated 12th January 1893.*—Late Assistant Surgeon Fazlar Rahaman was on leave from the afternoon of the 8th October to the forenoon of the 14th November 1891, under article 369 of the Civil Service Regulations.

*No. 338, dated 12th January 1893.*—Assistant Surgeon Chuni Lai Nundi acted at the Presidency General Hospital, Calcutta, during the absence, on deputation, of Assistant Apothecary M. E. Mungavin on the 1st December and from the 15th to the 17th December 1892.

*No. 415, dated 14th January 1893.*—Assistant Surgeon Ashutosh Ghosh, a supernumerary at the Medical College Hospital, is allowed leave for three months, under article 369 of the Civil Service Regulations.

J. G. PILCHER, *Surgeon Col.,*  
*Offg. Insp.-Genl. of Civil Hospitals, Bengal.*

## TREASURY NOTICES.

### NOTIFICATION.

UNCOVENANTED DEPUTY COLLECTOR MAULVI SYED MAJIBAR RAHMAN has been placed in charge of the Muzaffarpur Treasury and is authorized to draw bills on other Treasuries.

A. A. WACE, *Additional Commissioner.*

UNCOVENANTED DEPUTY COLLECTOR MAULVI SYED MAHOMED has been placed in charge of the Patna Treasury, and is authorised to draw bills on other treasuries.

A. A. WACE, *Addl. Commr.*

PATNA COMM. 'S OFFICE, BANKIPUR, the 31st December 1892.

## HIGH COURT NOTICES.

General Letter No. 8, dated Calcutta, the 22nd December 1892.

From—H. W. C. CARNDUFF, Esq., Registrar, High Court,

To—The Sessions Judge  
District Magistrate of

I AM directed to invite your attention to the accompanying copies of Notifications issued by the Government of Bengal, and am to request that you will make arrangements, as far as possible, to suspend criminal business on the days declared therein to be office holidays, in addition to those notified as public holidays under the Act.

High Court.

English Department, Criminal

NOTIFICATION—No. 4758Mis.

The 6th December 1892.—Under section 25 of Act XXVI of 1881, entitled "The Negotiable Instruments Act, 1881" the Lieutenant-Governor hereby declares the following days to be public holidays during the year 1893:—

All Sundays.

January 1st (Sunday)	...	...	...	New Year's Day.
" 2nd	...	...	...	The day following New Year's Day.
" 22nd (Sunday) and 23rd	...	...	...	Sri Panchami.
March 2nd	...	...	...	Doljatra.
" 31st	...	...	...	Good Friday.
April 1st	...	...	...	Easter Saturday.
" 12th	...	...	...	Chaitra Sankranti.
May 24th	...	...	...	Empress' Birthday.
" 25th	...	...	...	Dasaharā.
September 3rd (Sunday)	...	...	...	Janmāshṭami.
October 9th	...	...	...	Mahālaya.
" 17th, 18th, 19th, 20th, 24th and 25th	...	...	...	Durgā-Lakshmi Pujā.
November 7th and 8th	...	...	...	Kālī Pujā.
" 18th, and 19th (Sunday)	...	...	...	Jagadhātri Pujā.
December 23rd, and 24th (Sunday)	...	...	...	Christmas Eve and the day preceding.
" 25th	...	...	...	Christmas Day.
" 26th	...	...	...	The day following Christmas Day.

J. A. BOURDILLON,

Offg. Secy. to the Govt. of Bengal.

NOTIFICATION—No. 4769Mis.

The 6th December 1892.—With reference to the above notification, the Lieutenant-Governor hereby notifies that on the following days during 1893, which are not declared to be "public holidays," the offices under the Government of Bengal and all Revenue and Magisterial Courts in Bengal, with the exception of the offices of Collector of Customs, Shipping Master, the Registrar of Assurances, Calcutta, the Collector of Stamp Revenue, Calcutta, the Stamping Department of the Office of the Superintendent of Stamps, Calcutta, and the Salt, Rowanah and Opium Sale Departments of the Board of Revenue, shall be closed:—

*I.—Muhammadan Holidays.*

Id-ul-fitr	...	On the 18th April, or, if the moon be not visible on the 17th April, on the 19th April.
Id-nz-zuhā	...	On the 25th June (Sunday), or, if the moon be not visible on the 15th June, on the 26th June.
Muhurram	...	On July 23rd (Sunday) and 24th, or, if the moon be not visible on the 14th July, on the 24th and 25th July.
Fatiha-dawāzlaham	...	On the 23rd September, or, if the moon be not visible on the 11th September, on the 24th September (Sunday).

*II.—Hindu Holidays.*

Durgā-Lakshmi Pujā	...	October 15th (Sunday), 16th, 21st, 22nd (Sunday), 23rd and 26th.
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*III.—Other Holidays.*

The second day following Christmas Day	...	27th December.
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J. A. BOURDILLON,

Offg. Secy. to the Govt. of Bengal.

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**Dates of Criminal Sessions for the year 1893.**


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Number of Sessions.				Day of the week.		Date.	
First	Sessions	...	...	Monday	...	February	20th.
Second	"	...	...	Ditto	...	May	1st.
Third	"	...	...	Ditto	...	July	10th.

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Dates of the Fourth and Fifth Sessions will be notified hereafter.

By order,  
J. G. APCAR, *Clerk of the Crown.*

HIGH COURT, CROWN OFFICE, the 5th January 1893.

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**Sheriff's Office, the 11th January 1893.**

NOTICE is hereby given that the First Criminal Sessions of the year 1893 of the High Court of Judicature at Fort William in Bengal, for the Town of Calcutta and Factory of Fort William, and the places subordinate thereto, will be holden at the Court-house, in the Town of Calcutta, on Monday, the twentieth day of February next, at 11 o'clock in the forenoon, and so on from day to day, until the said Sessions be over. And it is hereby proclaimed that all persons who will prosecute any of the prisoners to be brought up for trial at the said Sessions be present then and there to prosecute.

R. D. MEHTA, *Sheriff.*

শরিক আকিস, সন ১৮৯৩ সাল তারিখ ১১ ই জানুয়ারি।

সকলকে সমাচার দেওয়া বাইতেছে যে হবে বাঙ্গালার কোর্ট উইলিয়ম দুর্গের অধীন শহর কলিকাতার ও অন্যান্য স্থানের কোর্জদারী বিচার নিষ্পত্ত্য জন্য আগামী সন ১৮৯৩ সালের ২০শে ফেব্রুয়ারি সোমবার বেলা ১১ ঘটিকার সময় এবং যে পর্যন্ত সেশিয়ানের কার্য শেষ না হয় প্রতিদিন উক্ত সময়ে কলিকাতার হাই কোর্টের আপন আদালত ঘরে সন ১৮৯৩ সালের প্রথম ক্রমিনেল সেশিয়ান বসিবেক এবং এতদ্বারা প্রচার করা বাইতেছে যে, যে সকল ব্যক্তি কোন কয়েদির বিরুদ্ধে কোর্জদারী মিসিল করিবেক তাহার উক্ত স্থানে উক্ত সময়ে হাজির থাকিয়া বোকদমা করে ইতি।

আরঃ ডিঃ মেটা. শরিক।

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**EDUCATION DEPARTMENT, BENGAL.**

**Subordinate Educational Service.**

*The 12th January 1893.*—Babu Akur Chandra Sen, a Sub-Inspector of Schools under the District Board of Dacca, and now Officiating Departmental Sub-Inspector of Schools, Faridpur (Officiating in class VI), is appointed to act as Departmental Sub-Inspector of Schools, Mymensingh, and in class VII, during the absence, on leave, of Babu Sri Nath Guha, or until further orders.

*The 14th January 1893.*—Babu Siddheswar Banerjea, B.A., Third Master of the Sanskrit Collegiate School (class V), is allowed leave of absence for one month, under Article 369 of the Civil Service Regulations, with effect from the 3rd January 1893.

Babu Mihir Lal Das, B.A., is appointed to act as Third Master of the Sanskrit Collegiate School, and in class V, with effect from the 3rd January 1893, *vice* Babu Siddheswar Banerjea on leave, or until further orders.

Babu Dwarka Nath Banerjea, a Sub-Inspector of Schools under the District Board of Nadia (class VI), was granted by the Board privilege leave of absence for two months, with effect from the 18th October 1892.

**ERRATUM.**—*The 17th January 1893.*—In the orders of the 7th January 1893, published at page 83, Part I of the *Calcutta Gazette* of the 11th idem, appointing Babu Sri Nath Banerjea, Departmental Sub-Inspector of Schools, Jessore, to act as second clerk in the office of the Inspector of Schools, Presidency Circle, and in class VI, with effect from the 1st January 1893, *vice* Babu Jogeswar Ghosh, promoted, or until further orders, read "6th" for "1st."

C. A. MARTIN,  
*Offg. Director of Public Instruction.*

**Examination of Candidates for Pledership and Mukhtearship in Mufassal Courts subordinate to the High Court.**

THE next examination of candidates for Pledership will be held on the 15th, 16th, and 17th February next in the Senate House of the Calcutta University.

The next examination of candidates for Mukhtearship will be held at Calcutta, Patna, Dacca, Cuttack, Gauhati, and Sylhet on the same days; the examination of those candidates who have applied to be examined in Calcutta taking place in the Senate House of the Calcutta University.

The Pledership candidates will be examined *vice versa* only on the 15th February commencing at 10 A.M., and two papers will be set each day for them at 10 A.M. and 2 P.M., respectively, on the 16th and 17th February. Two papers will be set for the Mukhtearship candidates on the 15th February at 10 A.M. and 2 P.M., respectively, and they will be examined *vice versa* on the 16th and 17th February, commencing at 10 A.M. each day.

Under no circumstances will any candidate be admitted to the examination room after these hours.

The candidates will be required to produce at the examination extracts from the Register, which will be furnished to them by the District Judge, through whom their applications have been sent to the Board of Examiners.

No candidate will be allowed to enter the examination room with any memoranda or loose papers of any description (with the exception of the extracts above mentioned).

All writing materials will be provided with the exception of pens, which the candidates must bring with them.

HENRY T. HYDE,

*Secy. to the Board of Examiners for Pledership and Mukhtearship.*

**List of Candidates who have obtained Middle Scholarships in the Rajshahi Division, 1892-93.**

**MIDDLE ENGLISH SCHOLARSHIPS.**

*Patna.*

Yogendra Narayan Saha	...	...	Sarasia M. E. School.
Makhan Lal Saha	...	...	Pakuriya M. E. School.
Kedar Nath Ghosh	...	...	Sarasia M. E. School.

*Rajshahi.*

Nalini Kanta Chaudhuri	...	...	Kasimpur M. E. School.
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*Rangpur.*

Srimanta Sarkar	...	...	Kailas Ranjan M. E. School.
Surendra Nath Guha	...	...	Kurigram M. E. School.
Lalit Chandra Guha	...	...	Ditto.
Lalit Chandra Chaki	...	...	Haripur M. E. School.
Mahiuddin Ahammad	...	...	Kailas Ranjan M. E. School.
Asauuddin Sekh	...	...	Gopalpur M. E. School.

**MIDDLE VERNACULAR SCHOLARSHIPS.**

*Bogra.*

Asmatulla Sekh	...	...	Bogra Model School.
Kazem Ali Khondkar	...	...	Ditto.
Sadarat Ali Miya	...	...	Khetlal M. V. School.
Kalimuddin Mandal	...	...	Madla M. E. School.

*Dinajpur.*

Satis Chandra Ghosh	...	...	Dinajpur Municipal Model School.
Naba Kumar Kundu	...	...	Madhabbati Model School.
Ram Gopal Pal	...	...	Ditto.
Uma Kanta Das	...	...	Dinajpur Municipal Model School.
Tag Ali Sarkar	...	...	Alagdihi Model School.
Lakshan Chandra Das	...	...	Barsgram M. V. School.
Yamini Kanta Ghosh	...	...	Raiganj M. E. School.

*Jalpaiguri.*

Yogendra Nath Ray	...	...	Patgram M. V. School.
Hem Chandra Pal	...	...	Maynaguri Model School.

*Patna.*

Mohan Lal Datta	...	...	Rajapur M. V. School.
Mohini Mohan Kunda	...	...	Potajea M. V. School.
Madhabi Lal Baishnab	...	...	Mohanpur Balaknath.
Durga Prasad Datta	...	...	Baniyapati M. E. School.

<i>Rajshahi.</i>		
Kali Mohan Talukdar	...	Talenda M. E. School.
Ramani Kanta Gosvami	...	Haghoria M. V. School.
Azimuddin Sardar	...	Nayagaon H. E. School.
Hari Ram Mukhopadhyay	..	Arani M. V. School.
Giris Narayan Bagchi	...	Lalpur M. E. School.
Debendra Nath Roy	...	Kasimpur M. E. School.
Rudha Nath Das Bairagi	...	Lalpur M. E. School.
Haris Chandra Chattopadhyay	...	Boaliya Loknath M. E. School.
<i>Rangpur.</i>		
Mahammad Moosa	...	Rangpur Practising School.
Beni Madhab Das	...	Gaibandha H. E. School.
Dvarka Nath Ghosh	...	Gopalpur M. E. School.
Kasiruddin Mahammad	...	Jaldhaka Model School.

JALPAIGURI, the 28th December 1892.

G. BELLETT,  
Inspector of Schools, Rajshahi Circle.List of Candidates who have obtained Upper Primary Scholarships in the  
Rajshahi Division, 1892-93.

<i>Bogra.</i>		
Garibulla Sarkar	...	Adamdighi U. P. School.
Asmatulla Akanda	...	Baraitali U. P. School.
Rafatulla Sarkar	...	Nungola U. P. School.
<i>Dinajpur.</i>		
Sekh Badul Mahammad	...	Golundar U. P. School.
Hara Singha Das	...	Bandhugram U. P. School.
Kshiroda Sundari Basu	...	Dinajpur Girls' School.
Emaruddin Ahmed	...	Chamesvari U. P. School.
Kali Prasanua Mukerjee	...	Uday U. P. School.
<i>Jalpaiguri.</i>		
Jay Kanta Das	...	Dhabalsati U. P. School.
Mangal Charan Das	...	Dhabalguri U. P. School.
Majiruddin Pradhan	...	Nirashipukhuriya U. P. School.
<i>Pabna.</i>		
Digendra Nath Raha	...	Gayla U. P. School.
Sarat Chandra Basak	...	Baniyapati U. P. School.
Lalit Mohan Das	...	Nandanpur U. P. School.
Umesh Chandra Sarkar	...	Bhat Digholiga U. P. School.
Navadvip Chandra Chakravarti	...	Baigan U. P. School.
Hosen Ali Miya	...	Satbariya U. P. School.
<i>Rajshahi.</i>		
Radha Sundar Acharjya	...	Kamargram U. P. School.
Alimuddin Sarkar	...	Patailjhara U. P. School.
Mahatabulla Saha	...	Saipara U. P. School.
Jagadisvar Sauyal	...	Madarigram U. P. School.
Nimai Charan Saha	...	Mirganj U. P. School.
<i>Rangpur.</i>		
Kali Charan Sarkar	...	Pabnapur U. P. School.
Dharani Kanta Das	...	Tarapur U. P. School.
Ram Krishna Das	...	Khalilganj U. P. School.
Anaruddin Mandal	...	Pargayra U. P. School.
Kayemuddin	...	Khaprikhali U. P. School.
Sahadeb Ray	...	Kutabpur U. P. School.

JALPAIGURI, the 28th December 1892.

G. BELLETT,  
Inspector of Schools, Rajshahi Circle.

## NOTIFICATIONS OF THE BOARD OF REVENUE.

No. 2056B.

NOTICE is hereby given that the Second Sale of Opium, the provision of 1890-91, will be held at the Government Opium Sale-room, No. 2, Bankshall Street, on Wednesday, the 1st February 1893, at 11 A.M., and will comprise 3,642 chests, viz.—

			Chests.
Opium manufactured at the Patna Factory	...	...	1,927
Ditto ditto at the Ghaseepore Factory	...	...	1,715
Total	...	...	3,642



2nd.—The general conditions of the sale now advertised will be the same as usual. They may be ascertained by reference to the Notification issued on the 24th November 1892, and published in the *Government* and *Exchange Gazettes*, or on personal application at the Office of the Board of Revenue.

3rd.—The latest dates for deposit and clearance will be the 6th and 16th February 1893, respectively, that is to say, no Bank of Bengal Receipts, Government Promissory Notes, or other public securities that may be tendered for deposit in redemption of Promissory Notes given by purchasers in the Sale-room will be received after 3-30 p.m. of Monday, the 6th February 1893, and no Bank of Bengal Receipts in full payment of lots will be accepted after 3-30 p.m. of Thursday, the 16th February 1893.

4th.—In addition to the quantity above advertised for sale, the following quantities, more or less, of the opium manufactured at the Patna and Ghazee-pore Factories will be brought to sale down to December next about the dates specified below. The Board of Revenue, however, reserve to themselves the right of altering these dates should circumstances render it expedient to do so—

DATES.			Manufactured at the Patna Factory; about chests.	Manufactured at the Ghazee-pore Factory; about chests.	Total about chests.
On or about Monday,	6th March	1893	1,927	1,715	3,642
On or about Tuesday,	4th April	"	1,927	1,715	3,642
On or about Monday,	1st May	"	1,927	1,715	3,642
On or about Thursday,	1st June	"	1,927	1,715	3,642
On or about Monday,	3rd July	"	1,927	1,715	3,642
On or about Wednesday,	2nd August	"	1,927	1,715	3,642
On or about Friday,	1st September	"	1,927	1,715	3,652
On or about Thursday,	5th October	"	1,927	1,715	3,642
On or about Wednesday,	1st November	"	1,927	1,715	3,642
On or about Friday,	1st December	"	1,927	1,715	3,642
Total			19,270	17,150	36,420

By order of the Board of Revenue, L.P.,

T. INGLIS, *Secretary*.

BOARD OF REVENUE, L.P., FORT WILLIAM, the 20th December 1892.

#### No. 66B.

It is hereby notified, for the information of the public, that the standard of consistence at which provision opium is manufactured at the Ghazipur Opium Factory (Benares) has been raised from 70° to 71°  
**OPIMUM.**  
 D. R. LYALL, Esq., C.S.I.  
 The provision of the season 1891-92, which has been manufactured under the new standard consistence, will be first offered for sale in May 1893, when 861 chests will be sold.

By order of the Board of Revenue, L.P.,  
 T. INGLIS, *Secretary*.

CALCUTTA, the 12th January 1893.

#### No. 68B.

An examination of the provision opium of 1891-92, received from the Patna and Ghazipur Factories, will be held at the new Opium Range, No. 14, Strand, on Thursday, the 26th January 1893, at 11 A.M.  
**OPIMUM.**  
 D. R. LYALL, Esq., C.S.I.  
 Merchants, dealers and others interested in opium are invited to attend.

By order of the Board of Revenue, L.P.,  
 T. INGLIS, *Secretary*.

CALCUTTA, the 12th January 1893.

## ELECTION OF MUNICIPAL COMMISSIONERS.

### NOTIFICATION.

It is hereby notified for general information that a bye-election will be held in Ward No. IV of the Purnea Municipality, under section 27, Act III (B.C.) of 1884, on Tuesday, the 28th February 1893, for the election of a Commissioner in the place of Babu Newal Kishore, deceased.

C. C. QUINN, *Commissioner*.

The 10th January 1893.

## NOTIFICATION.

It is hereby notified for general information that an election will be held, under section 27 of Act III (B.C.) of 1884, on Wednesday, the 22nd March 1893, in Ward No. II of the Bansbariah Municipality, in the district of Hooghly, to fill up the vacancy caused by the resignation of Municipal Commissioner Babu Sotya Bhajon Mukherjee.

A. POWER, *Commissioner*.

COMMR.'s OFFICE, BURDWAN DIVN., the 13th January 1893.

## NOTIFICATION.

It is hereby notified for general information that at bye-elections held on the 7th December 1892, Munshi Gopi Nath has been duly elected a Commissioner of Ward No. IV of Gaya Municipality in place of Mirza Dost Mahomed, deceased, and Babu Baldeo Lal a Commissioner of Ward No. VIII in place of Babu Umesh Chandra Sarkar, deceased.

BUZLUL KARIM, *Persl. Asst. to the Commr.*

PATNA COMMR.'s OFFICE, the 16th January 1893.

## NOTIFICATION.

It is hereby notified for general information that a bye-election will be held on the 27th February 1893 in Ward No. VIII of the Cuttack Municipality, in the district of Cuttack, to elect a Commissioner for that Ward, *vice* Mr. Warde-Jones, Deputy Magistrate and Deputy Collector, transferred.

H. G. COOKE, *Offg. Commr., Orissa Division*.

ORISSA COMMR.'s OFFICE, CUTTACK, the 13th January 1893.

## NOTIFICATION.

It is hereby notified that, under section 9 of the Bengal Local Self-Government Act III of 1885, the following gentlemen have been elected at the recent general elections as members of the several Local Boards in the district of Pabna:—

Local Board of.	Thana for which elected.	Names of Members.
Pabna	Pabna	Babu Syama Charan Roy.
	...	„ Kunja Lal Shaha.
	Chatmohar	Babu Nagendra Nath Sanyal.
	...	„ Srimantha Bhadury.
	Mathura	Babu Prasanna Narain Choudhury.
Sirajganj	...	„ Durga Sundar Roy.
	Dulai	Abdus Sattar.
	...	Babu Shasi Kumar Roy.
	Sirajganj	Babu Jagadish Bhattacharji.
	...	„ Arjun Chandra Bhowmick.
	Raiganj	Babu Abhoy Charan Guha.
	...	„ Utsab Narain Chakrabatty.
	Ullapara	Babu Krishna Gobiunda Das.
Shahzadpur	...	Munshi Dilwar Ali.
	...	Babu Benode Lal Pakrasee.
	...	„ Pran Chandra Pakrasee.

P. NOLAN, *Commissioner*.

COMMR.'s OFFICE, RAJSHAHI DIVN., the 6th January 1893.





# The Calcutta Gazette.

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WEDNESDAY, JANUARY 18, 1893.

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## PART I A.

### Orders and Notifications by the Government of India, &c.

[*Reprinted from the "Gazette of India."*]

The following order, issued by the Government of India, in the Legislative Department, is republished for general information.

H. J. S. COTTON,  
*Chief Secy. to the Govt. of Bengal.*

#### NOTIFICATION.

*Calcutta, the 12th January 1893.*

No. 5.—His Excellency the Governor-General, under the authority vested in him by the Statute 24 and 25 Vict., Chapter 67, Section 10, and the Statute 55 and 56 Vict., Chapter 14, Section 1, has been pleased to nominate Mr. Charles Cecil Stevens, I.C.S., Member of the Board of Revenue, Lower Provinces, to be an Additional Member of the Council of the Governor-General for the purpose of making Laws and Regulations.

J. M. MACPHERSON,  
*Offg. Secy. to the Govt. of India.*

The following orders, issued by the Government of India in the Home Department, are republished for general information.

H. J. S. COTTON,  
*Chief Secy. to the Govt. of Bengal.*

#### NOTIFICATIONS.

##### PUBLIC.

*Calcutta, the 12th January 1893.*

No. 53.—His Excellency the Governor-General is pleased to confer the privilege of private entrée to Government House upon Nawab Abdul Latif, Bahadur, C.I.E.

##### EDUCATION.

*The 13th January 1893.*

No. 12.—The Governor-General in Council is pleased to appoint the following gentlemen to be Fellows of the University of Calcutta :—

Mr. F. J. Johnstone, M.I.C.E., Secretary to the Government of Bengal in the Public Works Department.

The Ven'ble Welbore MacCarthy, Archdeacon of Calcutta.

Surgeon-Lieutenant-Colonel C. H. Joubert, M.B., F.R.C.S., Eng., Indian Medical Service.

Abul Hasan Khan, Esq., Barrister-at-Law, Officiating Judge of the Small Cause Court, Calcutta.

Mr. Charles Robert Wilson, M.A. (Oxon.), Bengal Education Department.

Babu Nilratan Sarkar, M.A., M.D.

Babu Ram Charan Mitra, M.A., B.L., Junior Government Pleader, High Court, Calcutta.

Babu Narendralal De, M.A., B.L., General Assembly's Institution, Calcutta.

C. J. LYALL,  
*Secy. to the Govt. of India.*

The following orders, issued by the Government of India in the Military Department, are republished for general information.

H. J. S. COTTON,  
Chief Secy. to the Govt. of Bengal.

Fort William, the 13th January 1893.

LONDON GAZETTE.

No. 30.—The following extracts are published for general information :—  
“*London Gazette*,” dated the 16th December 1892, pages 7397, 7398, and 7399.

India Office, 16th December 1892.

The Queen has approved of the following promotions among the officers of the Staff Corps and Indian Medical Services, and admissions to the Staff Corps made by the Governments in India :—

\* \* \* \* \*

BENGAL MEDICAL ESTABLISHMENT.

Surgeon-Majors to be Surgeon-Lieutenant-Colonels.

Dated 1st October 1892.

\* \* \* \* \*

Edward Bovill.

\* \* \* \* \*

Henry Walter Hill.

Surgeon-Captains to be Surgeon-Majors.

Dated 2nd October 1892.

\* \* \* \* \*

Arthur Robert Wyatt Sedgfield.

\* \* \* \* \*

Francis Samuel Peck.

\* \* \* \* \*

VOLUNTEER CORPS.

PROMOTIONS.

No. 38.—*Calcutta Naval Volunteers*—

Messrs. William Bryant, Robert Stewart Shanuan MacLachlan, and John Beith Macfadyen to be Sub-Lieutenants, to complete the establishment.

No. 39.—*Calcutta Light Horse*—

Captain John Frederick Macnair to be Major, *vice* Bourdillon, resigned.

Lieutenant William Kearnes Eddis to be Captain, *vice* Macnair, promoted.

Lieutenant George Charles Hodgson to be Captain, to complete the establishment.

Second-Lieutenant Ebenezer Henry to be Lieutenant, *vice* Eddis, promoted.

Mr. Charles Robert Stephenson Walker to be Second-Lieutenant, *vice* Henry, promoted.

Mr James Henry Apjohn to be Second-Lieutenant, to complete the establishment.

No. 40.—*Eastern Bengal State Railway Volunteer Rifle Corps*—

Lieutenant Charles Lewis Taylor to be Captain, to complete the establishment.

Messrs. Francis John Pope, Granville Mills, James Stuart Forbes, and Allan Robert Jacobson, to be Second Lieutenants, to complete the establishment.

E. H. H. COLLEN,  
Secy. to the Govt. of India.



# The Calcutta Gazette.

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WEDNESDAY, JANUARY 18, 1893.

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## PART IB.

### ORDERS BY THE LIEUT.-GOVERNOR OF BENGAL.

#### MUNICIPAL AND LOCAL.

##### NOTIFICATION.

*No. 161L.S.G.—The 12th January 1893.*—It is hereby notified that, under section 24 of the Bengal Local Self-Government Act III of 1885, the Lieutenant-Governor is pleased to re-appoint the Magistrate of Midnapore to be the Chairman of the Midnapore District Board, with effect from the 27th January 1893.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

##### NOTIFICATION.

*No. 163M.—The 12th January 1893.*—It is hereby notified that, under section 27 of the Bengal Municipal Act III of 1884, the Lieutenant-Governor is pleased to appoint Surgeon Lieutenant-Colonel C. J. W. Meadows to be a Commissioner of the Berhampore Municipality, in the district of Murshidabad, *vice* Surgeon Lieutenant-Colonel E. Bovill, resigned.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

##### NOTIFICATION.

*No. 175M.—The 13th January 1893.*—It is hereby notified that, under section 2 of Bengal Act IV of 1871 (the Puri Lodging-house Act) as amended by Bengal Act II of 1879, the Lieutenant-Governor is pleased to appoint Assistant Surgeon Monindro Lal Mitter to be Health Officer under the said Act, at Sitakund in the district of Chittagong.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

##### NOTIFICATION.

*No. 178M.—The 13th January 1893.*—It is hereby notified for general information that under clause (a), section 6 of the Bengal Ferries Act I of 1885, the Lieutenant-Governor declares the ferry at Nidoya over the Bhagirathi river, in the district of Nadia, to be a public ferry.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

##### NOTIFICATION.

*No. 180M.—The 13th January 1893.*—In exercise of the powers conferred on him by section 1 of Bengal Act II of 1891 (an Act to consolidate and amend the law relating to Hackney Carriages and Palanquins in Calcutta), the Lieutenant-Governor hereby extends the provisions of the said Act to the Burdwan Municipality, with effect from the date of this notification.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.

No. 189M.—*The 16th January 1893.*—It is hereby notified that, under section 27 of the Bengal Municipal Act III of 1884, the Lieutenant-Governor is pleased to appoint Munshi Azizul Huq, to be a Commissioner of the Chattra Municipality in the district of Hazaribagh, *vice* Syad Jahur Ali.

H. H. RISLEY,  
Secy. to the Govt. of Bengal.

## NOTIFICATION.

No. 192M.—*The 16th January 1893.*—It is hereby notified that the Commissioners of the Muzaffarpur Municipality having at a meeting requested the Local Government to appoint a Chairman, the Lieutenant-Governor is pleased to appoint, under sections 23 and 27 of the Bengal Municipal Act III of 1884, Mr. L. Hare to be the Chairman of that Municipality.

H. H. RISLEY,  
Secy. to the Govt. of Bengal.

## ERRATUM.

No. 209L.S.-G.—*The 17th January 1893.*—In the notification No. 3259L.S.-G., dated the 6th December 1892, published at page 270 of the *Calcutta Gazette* of the 7th idem, appointing certain gentlemen to be members of the Local Boards in the district of Jessore, for “Mr. W. Sherriff” read “Mr. W. Shirreff.”

H. H. RISLEY,  
Secy. to the Govt. of Bengal.

## NOTIFICATION.

No. 211M.—*The 17th January 1893.*—It is hereby notified that, under section 27 of the Bengal Municipal Act III of 1884, the Lieutenant-Governor is pleased to appoint Mr. C. P. Ward to be a Commissioner of the Howrah Municipality, *vice* Mr. J. H. Toogood, resigned.

H. H. RISLEY,  
Secy. to the Govt. of Bengal.

## NOTIFICATION.

No. 214L.S.-G.—*The 17th January 1893.*—It is hereby notified that, under section 11 of the Bengal Local Self-Government Act III of 1883, the Lieutenant-Governor is pleased to appoint the following gentlemen to be members of the several Local Boards, in the district of Khulna :—

Local Boards.	Names of members.
Khulna	<div> <div>...</div> <div> The Civil Medical Officer.  Babu Kunja Behary Chakrabarty.  „ Bepin Behary Sen.  „ Indu Bhusun Mozumdar.  „ Asutosh Chakrabarty.  Annada Lal Mookerjee.  „ Umesh Chandra Rai.  „ Kailash Chandra Sen.  „ Poresb Nath Chatterjee.  „ Brojo Lal Nag.  „ Girija Nath Rai Chowdhury.  „ Laksman Chandra Roy.  „ Nepal Kristna Ghose. </div> </div>
Bagirhat	<div> <div>...</div> <div> „ Asutosh Chakrabarty.  Annada Lal Mookerjee.  „ Umesh Chandra Rai.  „ Kailash Chandra Sen.  „ Poresb Nath Chatterjee.  „ Brojo Lal Nag.  „ Girija Nath Rai Chowdhury.  „ Laksman Chandra Roy.  „ Nepal Kristna Ghose. </div> </div>
Satkhira	<div> <div>...</div> <div> „ Asutosh Chakrabarty.  Annada Lal Mookerjee.  „ Umesh Chandra Rai.  „ Kailash Chandra Sen.  „ Poresb Nath Chatterjee.  „ Brojo Lal Nag.  „ Girija Nath Rai Chowdhury.  „ Laksman Chandra Roy.  „ Nepal Kristna Ghose. </div> </div>

2. The Lieutenant-Governor is also pleased to appoint the following gentlemen, under section 10 of the Act, to be members of the Local Boards mentioned against their names :—

Local Boards.	Names of members.
Khulna	<div> <div>...</div> <div> Babu Chandra Kumar Ghose.  „ Bosonto Kumar Haldar.  Munshi Ibrahim Sheik.  Babu Sheshee Bhusun Banerjee.  Munshi Josimuddeen Sheik.  Babu Beni Bhusun Rai.  „ Sarat Chunder Rai. </div> </div>
...	<div> <div>...</div> <div> Babu Chandra Kumar Ghose.  „ Bosonto Kumar Haldar.  Munshi Ibrahim Sheik.  Babu Sheshee Bhusun Banerjee.  Munshi Josimuddeen Sheik.  Babu Beni Bhusun Rai.  „ Sarat Chunder Rai. </div> </div>

H. H. RISLEY,  
Secy. to the Govt. of Bengal.

## NOTIFICATION.

*No. 216L.S.-G.—The 17th January 1893.*—It is hereby notified that, under section 11 of the Bengal Local Self-Government Act III of 1885, the Lieutenant-Governor is pleased to appoint the following gentlemen to be members of the several Local Boards in the district of Pabna:—

Pabna	...	{	Babu Bonomsli Roy.
			Ismail Choudhuri.
			Maulvi Abbas Ali.
			Babu Kailas Chandra Mozumdar.
Sirajganj	...	{	Mr. A. D. Wilson.
			W. C. Sydiard.
			Babu Amrita Lal Mozumdar.
			„ Durga Kanta Sen.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.

*No. 220L.S.-G.—The 17th January 1893.*—It is hereby notified that, under section 11 of the Bengal Local Self-Government Act III of 1885, the Lieutenant-Governor is pleased to appoint the following gentlemen to be members of the Katwa Local Board in the district of Burdwan:—

Munshi Enatulla Khan.  
Babu Chandra Kumar Das.  
„ Ram Das Chandra.

The Lieutenant-Governor is also pleased to appoint, under section 10 of the Act, Munshi Ashau Ali to be a member of the above Local Board.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*







# The Calcutta Gazette.

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WEDNESDAY, JANUARY 18, 1893.

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PART II.

Advertisements.

[N. B.—Advertisements, Notices, &c., intended for insertion in this part of the Gazette cannot be received after Noon on Monday.]

LAND SALE NOTICES.

NOTICE is hereby given, under sections 6 and 13, Act XI of 1859, that the undermentioned estates or shares of estates in the district of Cuttack will be put to sale at the Collector's Office of that district on the 10th March 1893 for arrears of revenue and other demands which, by law realizable as arrears of land revenue.

1	2	3	4	5	6	7	8	9
Tanai No.	Name of mahal and pargana.	Sadar jama of the whole estate.	Whether the whole estate is to be sold.	If only a share is to be sold, specification of such share or shares.	Name of proprietors of property to be sold.	If only a share is to be sold, the sadar jama of such share.	If the whole estate is to be sold, the arrears due from it.	If only a share is to be sold, the arrears due from it.
50	Taluk Kalimegha, pargana Jajpur.	Rs. A. P. 1,118 7 4	.....	Kismut 9a. 1p. 194. 56. 14g.	Avimannu Samaptra Mahapatra and others.	Rs. A. P. 686 7 13	.....	Rs. A. P. 61 2 6
521	Taluk Lakshminarsinpur, pargana Padmapur.	2,547 5 61	Whole estate.	.....	Saraswati Dasi and others.	.....	226 6 11	.....
662	Mauza Paida, pargana Subang.	1,016 12 6	Ditto ..	.....	Chowdhury Baidhar Kautra.	.....	623 4 6	.....
744	Taluk Munda, pargana Sunghra.	1,615 14 1	Ditto ..	.....	Jagannath Santra Mahapatra and others.	.....	7 15 7	.....
808	Araza Dageer, mauza Chamiati, pargana Sunghra.	631 4 0	Ditto ..	.....	Narayan Misra and Kanhu Charan Sahu and others.	.....	115 4 13	.....
818	Mauza Jaisinghra, pargana Ahi.	1,096 1 2	Ditto ..	.....	Gopinath Sahu ..	.....	546 1 1	.....
848	Taluk Rajana, mauza Banka, pargana Kanchi-Khand.	822 4 4	.....	Kismut 15a. 6p.	Bhola Nath Misra and others.	706 9 23	.....	48 14 13
3071	Thane Alamgir, pargana Ahi.	1,512 5 8	Whole estate.	.....	Jagannath Mahapatra and others.	.....	56 12 0	.....
1315	Taluk Radhamohanpur, pargana Baran.	1,852 1 3	Ditto ..	.....	Padma Dei, guardian to the minor Brijmunda Das and others.	.....	22 10 9	.....
1328	Taluk Unarlama, pargana Baran.	590 1 0	.....	Kismut 14a. 2p. 1k. 12b. 6p. 2k. 2k.	Arjun Kir and others ..	522 14 11	.....	6 12 4
1844	Taluk Gulandpur, pargana Bankadungur.	1,075 2 5	Whole estate.	.....	Manvi Abdul Gani and others.	.....	161 4 1	.....
1073	Taluk Rachanathpur, pargana Kodunda.	1,401 7 23	.....	Kismut 12a.	Dhyan Singh Paharaj and others.	1,201 1 5	.....	400 5 10
1077	Taluk Rachanathpur, pargana Kodunda.	607 3 104	Whole estate.	.....	Narsingha Paharaj and others.	.....	331 13 5	.....
2071	Taluk Srisundarpur, pargana Sairo.	980 2 04	.....	Kismut 12a. 4p. 2k. 7b. 10g.	Chowdhury Kasinath Das, Surjyamon Dei and others.	748 0 52	.....	32 3 4
2400	Taluk Tolma, pargana Khandi.	2,729 9 11	Whole estate.	.....	Rite Subi Raj, Subit of Sitaran Thakur.	.....	1,361 6 0	.....
2457	Kilich Dhaltang, pargana Jhankar.	1,221 4 63	Ditto ..	.....	Sumatya Sulochana Dasi.	.....	610 10 20	.....
3108	Taluk Birtol, pargana Jhankar.	2,627 12 1	Ditto ..	.....	Bolaram Das Bhagat and others.	.....	1,314 2 0	.....
2453	Taluk Puting, pargana Jhankar.	1,849 11 92	Ditto ..	.....	Balch Lall Bhagat and others.	.....	1,234 15 53	.....
2454	Taluk Kridanga, pargana Jhankar.	3,707 1 2	Ditto ..	.....	Sulochana Das ..	.....	1,851 3 2	.....
2455	Taluk Birtol, pargana Jhankar.	2,620 0 1	.....	Kismut 14a. 3p. 1k. 14b. 16p. 15g. 2k.	Surjyamon Dei and others.	2,345 9 04	.....	958 4 3
3109	Taluk Puting, pargana Jhankar.	1,846 7 8	.....	Kismut 13a. 1p. 14b. 8p. 1k.	Surjyamon Dei and others.	1,516 9 13	.....	750 9 11
2406	Taluk Binabur, pargana Bakhrabad.	2,856 15 8	Whole estate.	.....	Behari Lall Pandit and others.	.....	902 3 6	.....
2623	Taluk Melipur, pargana Punda.	1,375 6 9	.....	Kismut 12a.	Dhyan Singh Paharaj and others.	1,016 9 1	.....	338 13 1
2630	Taluk Pubkhand, pargana Deogan.	888 2 04	Whole estate.	.....	Anant Charan Mahapatra and Jagatnand Mahapatra and others.	.....	71 2 04	.....
2664	Mauza Kasarada, pargana Deogan.	940 10 4	.....	Kismut 15a. 31p. 3k. 7k.	Gopinath Mahapatra and others.	925 11 6	.....	0 0 4
2671	Taluk Nadi, pargana Deogan.	1,132 15 64	.....	Kismut 16a. 2k.	Tanuprosad Rai and others.	1,064 8 53	.....	278 2 83
2673	Mauza Amarpata, pargana Deogan.	840 11 34	.....	Kismut 15a. 18p. 1k. 1k. 8b.	Jagatnand Mahapatra and others.	804 16 04	.....	245 2 51
3058	Taluk Nadi, pargana Deogan.	663 7 8	.....	Kismut 11a. 3p. 7k. 7b. 10g.	Jagatnand Mahapatra and others.	532 3 2	.....	85 12 1
2636	Taluk Udhman, pargana Deogan.	1,056 6 5	.....	Kismut 9a. 6p. 2k.	Cowdhury Gopalchand Das and others.	616 3 7	.....	20 9 54
2638	Mauza Eimuch, pargana Deogan.	516 11 9	Whole estate.	.....	Gopinath Mahapatra and others.	.....	1 4 0	.....
2664	Taluk Maqon, pargana Kotia.	710 3 3	Ditto ..	.....	Jagannath Bharati Goswami and others.	.....	58 5 3	.....
2824	Taluk Utalagan, pargana Sijamant.	797 5 8	Ditto ..	.....	Nandukissore Kungoi and others.	.....	3 11 2	.....
2827	Taluk Gopinathpur, pargana Jeynabad.	2,791 2 4	Ditto ..	.....	Lalla Brijkumar Rai and others.	.....	1 350 9 2	.....
3368	Taluk Shamsundarpur, pargana Ahayas.	1,579 8 11	.....	Kismut 10a. 7p. 4k. 13b. 16p. 2k.	Habzunissa Bibi, Rachanath Das and others.	1,114 1 61	.....	175 7 51
3362	Kismut mauza Jari, pargana Deogan.	572 8 9	Whole estate.	.....	Pitambar Samal and others.	.....	6 8 4	.....
3508	Taluk Kapila, pargana Deogan.	754 1 1	Ditto ..	.....	Brohadhar Samal and others.	.....	46 10 8	.....
3511	Mauza Damodarpur, pargana Deogan.	673 8 1	.....	Kismut 15a. 10p. 12k. 13b. 3k.	Chowdhury Ratinkar Mahapatra and others.	608 11 9	.....	530 10 53
3508	Taluk Basarichpur, pargana Kotia.	701 9 4	Whole estate.	.....	Manish Abdul Gani and others.	.....	23 13 3	.....

Cuttack, the 10th January 1893.

F. S. HAMILTON, Covdt. Deputy Collector in charge.



## Oudh Forest Department.

## BAHRAMGHAT DEPOT.

ON THE OUDH AND ROHILKHAND RAILWAY.

FROM this date the prices of *sāl* beams and scantlings supplied from this depot will be as follows:—

BEAMS.—21 feet length, at Rs. 2-10 per cubic foot.	22	"	"	2-12	"
	23	"	"	2-14	"
	24	"	"	3	"

Above the length given two annas per foot run will be charged. Any inches over the foot will be charged as a foot.

SCANTLINGS.—From 12 to 30 feet, at Rs. 2-8 per c. ft.

Under 12 and over 7 " 2-4 "

Under 7 feet " 2 "

The above prices are for ordinary building purpose. For *Planking Sleepers*, &c., special rates will be fixed by agreement.

The Department will still take orders for buildings all over at Rs. 2-4 per cubic foot, provided the scantlings are taken in fair proportion.

Second and Third Class Timber will be sold and price fixed by agreement.

Auction Sales will be held from time to time to clear off stock.

For further particulars apply to the Officer in charge. By order of the Conservator of Forests, N. W. P. and Oudh, Oudh Circle.

KANHYA LAL,

Sub-Assistant Conservator of Forests,  
Bahramghat Division.

Bahramghat, the 1st April 1886.

## Reduction in the Price of the Pure Sulphate of Quinine.

MANUFACTURED AT THE BENGAL GOVERNMENT CINCHONA PLANTATION.

ON and after 1st April 1891 the price of this quinine will be as follows:—

1 Pound tin Rs. 16, or, post free, Rs. 16-12.

$\frac{1}{2}$  " " " 8 " " " 8-8.

$\frac{1}{4}$  " " " 4 " " " 4-8.

Analysis shows this quinine to be of the purest manufacture, and it is guaranteed to be free from wilful mixture with the inferior alkaloids, Cinchonine and Cinchonidine. It is for sale only to Government officers, and only for cash, and may be had from the Superintendent, Botanic Garden, Sibpur, near Calcutta. It can be had either white or coloured pink.

## Reduction in price of Cinchona Febrifuge.

FROM 1st April 1891, and until further orders. Cinchona Febrifuge can be purchased by all Government officers and by any one taking *ten pounds* at a time, from the Superintendent, Botanic Garden, Calcutta, at the following rates. Four ounce tin Rs. 2-8; eight ounce tin Rs. 5; one pound tin Rs. 10. The general public can be supplied by the Superintendent, Botanic Garden, for cash only at the undernoted rates:—Per four ounce tin Rs. 3; per eight ounce tin Rs. 6; per pound tin Rs. 12. This medicine is also sold by the principal European and Native druggists in Calcutta. Postage four annas per 4 ounce tin, eight annas per 8 ounce tin, and twelve annas per pound tin, in addition to the foregoing rates.

DASA RATHI SANYAL, B.L., intends to be enrolled as a vakeel of the High Court.

(803—4)

BIHOGOBAN CHUNDER MOOKERJEE intends to apply for enrolment as a Vakeel of the High Court, Calcutta.

(807—4)

## Wanted

A CIVIL COURT AMIN for three months on a salary of Rs. 50 (fifty) per mensem. Applications, with copies of testimonials, will be received up to the 25th instant by the undersigned, to whom the selected candidate should report himself on the 6th February 1893.

J. POFORD, District Judge.

Judge's Office, Faridpur, the 7th January 1893.

## Wanted

FOR the District Engineer's Office, Shahabad, Arrah, one Head Draftsman. Pay Rs. 50 per mensem rising by annual increments of Rs. 5 to Rs. 80 per mensem for approved service.

Applicants must be fully qualified men and competent to execute drawings from rough sketches.

Must also be good estimator.

Applications, with copies of testimonials, will be received by undersigned up to 20th January 1893.

H. EDWARDS, C.E., District Engineer, Shahabad.  
Arrah, the 6th January 1893. (916—2)

## Notice.

WANTED a Head Clerk for the Office of the District Engineer, Tippera. Salary Rs. 40 a month. The candidate must be a passed accountant, as prescribed by notification of the Bengal Government, dated the 18th February 1892, rule 3. Apply to the Chairman, District Board, Tippera, up to the 1st February.

R. T. GREER, Chairman, District Board, Tippera.  
The 11th January 1893. (947—1)

## Wanted

A SUPERINTENDENT for the Bayley Technical School, Rangpur. The terms are Rs. 125 rising to Rs. 150 after one year's approved service. Qualifications those of a passed student upper grade, Sibpur Engineering College. Ability to instruct in Mathematics, Surveying, and Civil Engineering. Applications with copies of testimonials to be received up to 15th February 1893.

R. B. HARRIS, Chairman, District Board.  
Rangpur, the 7th January 1893. (952—3)

## NOTICE.

In the Second Court of Subordinate Judge at Midnapore.

EXECUTION CASE No. 121 of 1892.

Raja Mohendra Lal Khan, decree-holder, *versus* on demise of Mohendra Nath Chowdhury, his sons Gopal Chandra Chowdhury and others, judgment-debtors.

TO be sold in the above case by the Nazir of the Judge's Court, Midnapore, at 12 o'clock (noon) of the 15th February 1893, for realisation of the decretal debt, amounting to Rs. 4,885-15-5, the entire right, title and interest of the surety, the late Ram Charan Chowdhury, in the following property:—

Mechal Lat Mangolai, in pargana Knsijora, district Midnapore, bearing No. 55 of the Midnapore Collectorate's rent-roll, and paying revenue Rs. 745-15-1-1 to Government.

Value estimated by the decree-holder is Rs. 800.

RABI CHANDRA GANGULI, Sub-Judge.  
Midnapore, the 6th January 1893. (940—1)

## Notice.

IN THE FIRST COURT OF THE SUBORDINATE JUDGE, MIDNAPORE.

EXECUTION CASE No. 33 of 1892.

Gopal Lal Seal, decree-holder, *versus* Sromati Giribala Dassi and others, judgment-debtors.

THE undermentioned property of the judgment-debtors will be sold by public auction by the Nazir of the Court of the District Judge of Midnapore, in his sale office on Monday, the 16th January 1893, at 12 noon, in the execution of a decree passed by the Subordinate Judge, First Court, Midnapore, for the realization of Rs. 9,137 due from the judgment-debtors to the decree-holder.

Further particulars may be known at the office of Subordinate Judge of First Court, Midnapore.

*Schedule of Property to be sold.*

Eight annas share of Pargana Brahmonblum, Sub-Registrar Anondapur and Garbetta, station Keshpur, Saiboni, and Garbetta, in the district of Midnapore. Former tauzi No. 83, present tauzi No. 88 of the Collector's Office of Midnapore, and paying Government revenue Rs. 24,897-14-1.

KARUNAMOY BANERJEE, Sub-Judge, First Court,  
Midnapore.

The 31st December 1892.

(946—1)

## THE COMMISSIONERS FOR THE PORT OF CALCUTTA.

## SCHEDULE D.

*Rates of Charges and Rent to be paid by Owners, Importers, or Consignees for Goods landed at the Docks, and for their removal, when not cleared within forty-eight hours, to the Custom-house or Commissioners' Import Warehouse.*

No.	DESCRIPTION.	Landing charges at the Docks.	For removal of goods, not claimed within 48 hours, to the Custom-house or Import Warehouse.	Rent per month to be charged at the Import Warehouse, at Wharf, and at Dock sheds on all goods not claimed within 48 hours.
		Rs. A. P.	Rs. A. P.	Rs. A. P.
1	Abir, per cwt....	0 1 6	0 0 9	0 8 0
2	Accoutrements, military ...	Measurement rates.		
3	Acids ...	Double measurement rates.		
4	Aerated waters, per dozen quarts ...	0 0 9	0 0 6	0 6 0
5	Agricultural and horticultural machines, per cwt.	0 2 0	0 1 0	0 8 0
6	Almonds, per cwt. ...	0 1 6	0 0 9	0 6 0
7	Aloes ...	0 1 6	0 0 9	0 6 0
8	Alta ...	0 3 0	0 1 6	0 6 0
9	Alum ...	0 1 0	0 0 6	0 4 0
10	Anchor ...	See charges by weight.		
11	Aniseed, in bags of two bazar maunds, per bag.	0 1 0	0 0 6	0 8 0
12	Antimony, per cwt. ...	0 3 0	0 1 6	0 8 0
13	Arms, fire ...	Measurement rates.		
14	Arrowroot ...	Ditto.		
15	Arsenic, per cwt. ...	0 4 0	0 2 0	0 8 0
16	Asphalte ...	0 1 6	0 0 9	0 4 0
17	Assafetida ...	0 1 6	0 0 9	0 10 0
18	Axles, loose, per cwt. ...	0 2 0	0 1 0	0 6 0
19	Baggage, passengers, per package ...	0 4 0	0 2 0	1 5 0
20	Ballast, per cwt. ...	0 0 4	0 0 3	0 2 0
21	Bark, in bags, per cwt. ...	0 1 6	0 0 9	0 10 0
22	Barley, in bags of 1½ bazar maunds, per bag.	0 1 0	0 0 6	0 8 0
23	Beads in cases ...	Measurement rates.		
24	Bath-bricks ...	Ditto.		
25	Bedanna, per cwt. ...	0 2 0	0 1 0	0 8 0
26	Beer and porter, in wood, per imperial gallon.	0 0 2	0 0 1	0 1 0
27	Beer and porter, bottled, per dozen quarts	0 0 9	0 0 6	0 6 0
28	Bellows, per package ...	0 5 0	0 2 6	1 0 0
29	Betelnuts, per cwt. ...	0 1 0	0 0 6	0 8 0
30	Billiard requisites ...	Measurement rates.		
31	Do. slates, per ton ...	4 0 0	2 0 0	4 0 0
32	Biscuits, in cases or casks ...	Measurement rates.		
33	Blacking ...	Ditto.		
34	Black-seed, in bags of two bazar maunds, per bag.	0 1 0	0 0 6	0 8 0
35	Bobbins, wooden, in cases ...	Measurement rates.		
36	Bones and bone-dust, in bags, per cwt.	0 1 0	0 0 6	0 4 0
37	Boots and shoes, in cases ...	Measurement rates.		
38	Borax, per cwt. ...	0 2 0	0 1 0	0 10 0
39	Bottles, empty, per dozen ...	0 0 6	0 0 3	0 3 0
40	Bran, in bags of 1½ bazar maunds, per bag.	0 1 0	0 0 6	0 8 0
41	Brass of sorts, per cwt. ...	0 1 6	0 1 0	0 4 0
42	Brimstone or sulphur, per barrel ...	0 4 0	0 2 0	2 0 0
43	Buckets, iron, per dozen ...	0 1 9	0 1 0	0 4 0
44	Butter, in kegs or casks, per cwt. ...	0 4 0	0 2 0	0 10 0

No.	DESCRIPTION.	Landing charges at the Docks.			For removal of goods, not claimed within 48 hours, to the Custom-house or Import Warehouse.			Rent per month to be charged at the Import Warehouse, at Wharf, and at Dock sheds on all goods not claimed within 48 hours.		
		Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
45	Cables and chains, per cwt. ...	0	1	6	0	0	9	0	4	0
46	Camphor, in cases ...	0	2	0	0	1	0	0	4	0
47	Camphor-wood ...	0	1	6	0	0	9	0	8	0
48	Candles, per box of 25lb. ...	0	0	9	0	0	6	0	2	0
49	Canvas, in bales, per bale ...	0	6	0	0	4	0	2	0	0
50	Do. country, per bundle of two bolts.	0	1	6	0	0	9	1	0	0
51	Caraffs and stone jars ...	Measurement rates.								
52	Cardamums, per cwt. ...	0	4	0	0	2	0	0	8	0
53	Carpets ...	Measurement rates.								
54	Carriages on four wheels, each ...	6	0	0	3	0	0	30	0	0
55	Do. two wheels ...	3	0	0	1	8	0	20	0	0
56	Carriages in cases ...	Measurement rates.								
57	Carts, each ...	2	0	0	1	0	0	12	0	0
58	Castor-seeds, per bag of two bazar maunds.	0	0	6	0	0	6	0	8	0
59	Cement, in barrels, per cwt. ...	0	1	0	0	0	6	0	2	0
60	Chairs, China, deck, &c. ...	0	2	0	0	1	0	1	0	0
61	Chalk, per cwt. ...	0	0	6	0	0	6	0	2	0
62	Chunks, in bags, per cwt. ...	0	1	6	0	0	9	0	8	0
63	Chemicals, photographic ...	Measurement rates.								
64	Chillies, per cwt. ...	0	1	6	0	0	9	0	10	0
65	China preserves, in cases ...	Measurement rates.								
66	Do. roots, per cwt. ...	0	1	6	0	0	9	0	4	0
67	Chiretta, per cwt. ...	0	1	6	0	0	9	0	4	0
68	Chussum, in screwed bales, per bale ...	0	3	0	0	1	6	2	0	0
69	Cider, per dozen quarts ...	0	0	9	0	0	6	0	6	0
70	Cigars, in cases ...	Measurement rates.								
71	Cinnamon or cassia, per cwt. ...	0	3	0	0	1	6	0	8	0
72	Clocks, in cases ...	Measurement rates.								
73	Cloves, in bags, per cwt. ...	0	2	0	0	1	0	0	8	0
74	Coal or coke, per cwt. ...	0	0	6	0	0	6	0	2	0
75	Coins, copper, in bags, per cwt. ...	0	2	0	0	1	0	0	6	0
76	Cochineal, per cwt. ...	0	4	0	0	2	0	0	8	0
77	Cocoanuts, per 100 ...	0	1	0	0	0	6	0	2	0
78	Coffee, per cwt. ...	0	2	0	0	1	0	0	8	0
79	Coir-matting, per roll ...	0	2	0	0	1	0	0	4	0
80	Coir-yarn, per cwt. ...	0	1	6	0	0	9	0	6	0
81	Coprah and cocoanut shells, per cwt. ...	0	1	0	0	0	6	0	2	0
82	Copper, per cwt. ...	0	1	6	0	1	0	0	4	0
83	Copperas, per cwt. ...	0	1	0	0	0	6	0	4	0
84	Coral, in cases ...	Measurement rates.								
85	Cordage, per cwt. ...	0	3	0	0	1	6	0	6	0
86	Corks ...	Measurement rates.								
87	Cotton, per bale ...	0	2	0	0	1	6	2	0	0
88	Cowries, per cwt. ...	0	1	0	0	0	6	0	4	0
89	Crafters (China fireworks) ...	Double measurement rates.								
90	Creosote, per gallon ...	0	0	3	0	0	2	0	2	0
91	Crockery ...	Measurement rates.								
92	Cubeba, per cwt. ...	0	1	6	0	0	9	0	8	0
93	Cumin-seeds, per bag of two bazar maunds.	0	2	0	0	1	0	0	8	0
94	Cutch or gambier, per cwt. ...	0	2	0	0	1	0	0	10	0
95	Cutlery, in cases ...	Measurement rates.								
96	Dammar, per cwt. ...	0	1	6	0	0	9	0	4	0
97	Dates, per cwt. ...	0	1	6	0	0	9	0	4	0
98	Dal, per bag of two bazar maunds ...	0	1	0	0	0	6	0	8	0

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		Rs. A. P.	Rs. A. P.	Rs. A. P.
99	Dhunea, per bag of 1½ bazar maunds ...	0 1 0	0 0 6	0 8 0
100	Drainage pipes, per cwt. ...	0 1 6	0 0 9	0 4 0
101	Drugs ...	Measurement rates.		
102	Dye-woods, per cwt. ...	0 1 0	0 0 6	0 4 0
103	Earth, Fuller's, per cwt. ...	0 1 0	0 0 6	0 4 0
104	Earthenware ...	Measurement rates.		
105	Earth or lubricating oil, in casks, per bazar maund.	0 1 6	0 0 6	0 12 0
106	Elephants' teeth and tusks, per cwt. ...	0 4 0	0 2 0	1 0 0
106A	Elephants at owner's risk, who will provide slings, each.	10 0 0	.....	...
107	False pearls ...	Measurement rates.		
108	Feathers ...	Ditto.		
109	Felt ...	Ditto.		
110	Fire-blocks, per cwt. ...	0 1 0	0 0 6	0 3 0
111	Fire-bricks, per 1,000 ...	2 0 0	1 8 0	4 0 0
112	Fire-clay, per cwt. ...	0 1 6	0 0 9	0 3 0
113	Fish, dried and salted, in kegs ...	0 3 0	0 1 6	0 8 0
114	Fishing poles, per bundle ...	0 3 0	0 1 6	1 8 0
115	Flax ...	0 1 6	0 0 9	0 8 0
116	Flour in barrels, per barrel ...	0 4 0	0 2 0	1 0 0
117	Do. in bags, per cwt. ...	0 2 0	0 1 0	0 4 0
118	Flower-pots, per dozen ...	0 4 0	0 2 0	0 6 0
119	Forks, digging, per dozen ...	0 2 6	0 1 3	0 8 0
120	Fruits, dried, per cwt. ...	0 2 0	0 1 0	0 8 0
121	Furniture ...	Measurement rates.		
122	Galangal, per cwt. ...	0 1 6	0 0 9	0 6 0
123	Gall-nuts, per cwt. ...	0 1 6	0 0 9	0 6 0
124	Gamboge ...	Measurement rates.		
125	Gauzaban, per cwt. ...	0 1 6	0 0 9	0 6 0
126	Garlic, per bazar maund ...	0 1 6	0 0 9	0 8 0
127	Gauja, per bazar maund ...	0 4 0	0 2 0	1 0 0
128	Ghee, per cwt. ...	0 4 0	0 2 0	0 10 0
129	Ginger, per cwt. ...	0 1 6	0 0 9	0 10 0
130	Glass-ware (including sheet and plate glass).	Measurement rates.		
131	Glass, window, per case ...	0 2 0	0 1 0	0 4 0
132	Gold, bar, leaf, &c, per box ...	0 4 0	.....	.....
133	Gram, per bag of two bazar maunds ...	0 1 0	0 0 6	0 8 0
134	Grease, per cwt. ...	0 4 0	0 2 0	0 8 0
135	Gum, in cases ...	Measurement rates.		
136	Gunny-pieces in screwed bales, per bale	0 8 0	0 4 0	3 0 0
137	Gunny-cloth, in screwed bales, per bale of 12 pieces.	0 6 0	0 3 0	2 8 0
138	Gunny-bags, in screwed bales, per bale	0 4 0	0 2 0	2 8 0
139	Gunny, loose, bundles of 50 pieces, per bundle.	0 1 6	0 0 9	1 0 0
140	Guano, per cwt. ...	0 3 0	0 1 6	0 6 0
141	Guttapercha, per cwt. ...	0 1 6	0 0 9	0 6 0
142	Hair of sorts, per cwt. ...	0 2 0	0 1 0	0 8 0
143	Hams, in canvas, each ...	0 1 0	0 0 6	0 2 0
144	Do., in cases ...	Measurement rates.		
145	Hardware ...	Ditto.		
146	Harness ...	Ditto.		
147	Hats and caps ...	Ditto.		
148	Hemp in bales of 300 to 400 lbs., per bale.	0 2 0	0 1 0	2 0 0
149	Herbs, per cwt. ...	0 2 0	0 1 0	0 6 0



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		Rs. A. P.	Rs. A. P.	Rs. A. P.
150	Hides, buffalo, per 100 ... ..	1 0 0	0 8 0	4 0 0
151	Do. cow, per 100 ... ..	0 8 0	0 4 0	3 0 0
152	Hog's lard, per cwt. ... ..	0 4 0	0 2 0	0 10 0
153	Honey, per cwt. ... ..	0 2 0	0 1 0	0 6 0
154	Hops, per bale or case ... ..	0 8 0	0 4 0	2 8 0
155	Horns, per cwt. ... ..	0 1 6	0 0 9	0 6 0
156	Hosiery ... ..	Measurement rates.		
157	Horses, Mules, Donkeys, Camels, Oxen, and Cows, at owner's risk, who will provide slings, each.	2 0 0	.....	.....
	Ditto, if landed by staging, each ...	1 0 0	.....	.....
	Subject to a minimum of Rs. 300.			
158	India-rubber, per cwt. ... ..	0 1 6	0 0 9	0 6 0
159	Indigo, per chest ... ..	0 5 0	0 2 6	.....
160	Instruments, musical, mathematical, philosophical, surgical, &c.	Measurement rates.		
161	Iron, in plates, bars, rods, hoops, pig, angle, nail, rails, sleepers, &c., per ton.	1 0 0	Per cwt. 0 0 9	Per cwt. 0 3 0
162	Iron castings, or hollow-ware, per cwt....	0 1 0	0 1 0	0 8 0
163	Do. galvanized, per cwt. ... ..	0 1 6	0 0 9	0 4 0
164	Do. girders, columns, railings, bridge-work, tanks, posts, &c., per ton.	1 4 0	0 0 9	0 8 0
165	Iron girders, columns, railings, bridge-work, tanks, posts, &c., over two tons.	Charges by weight.		
166	Iron safes, per cwt. ... ..	0 2 0	0 1 0	0 8 0
167	Isinglass ... ..	Measurement rates.		
168	Ivory, per cwt. ... ..	0 4 0	0 2 0	1 0 0
169	Jewellery, per box ... ..	1 0 0	.....	.....
170	Jute and jute-cuttings, in bales of 300 to 400lb per bale.	0 2 0	0 1 0	2 0 0
171	Kajaputty-oil ... ..	Double measurement rates		
172	Lac-dye, per chest ... ..	0 3 0	0 1 6	2 0 0
173	Lac, stick, per cwt. ... ..	0 1 0	0 0 6	0 4 0
174	Lametta ... ..	Measurement rates.		
175	Lamps ... ..	Ditto.		
176	Lamp-black, per cwt. ... ..	0 3 0	0 1 6	0 8 0
177	Lead, in rolls, ingots, shots, &c., per cwt.	0 1 6	0 1 0	0 4 0
178	Leather ... ..	Measurement rates.		
179	Linen ... ..	Ditto.		
180	Linseed, per bag of two bazar maunds...	0 1 0	0 0 6	0 8 0
181	Logwood, per cwt. ... ..	0 1 0	0 0 6	0 4 0
182	Mace, per cwt. ... ..	0 3 0	0 1 6	0 8 0
183	Machinery, in pieces or cases ... ..	See charges by weight.		
184	Mahogany, per ton of 50 cubic feet ...	2 0 0	1 0 0	4 0 0
185	Malacca canes, per bundle ... ..	0 3 0	0 1 6	0 8 0
186	Mats, China or other ... ..	Measurement rates.		
187	Marble, in slabs, per cwt. ... ..	0 2 0	0 1 6	0 3 0
188	Marble tiles, in cases, per cwt. ... ..	0 2 0	0 1 6	0 3 0
189	Marble tiles, not exceeding two feet square per 100.	4 0 0	4 0 0	5 0 0
190	Matches ... ..	Double measurement rates.		
191	Matec-seed, per bag of two bazar maunds	0 1 0	0 0 6	0 8 0
192	Medicines ... ..	Measurement rates.		
193	Millinery and haberdashery ... ..	Ditto.		
194	Mirrors ... ..	Ditto.		

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		Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
195	Molasses, in casks, per cwt. ...	0	1	0	0	0	6	0	10	0
196	Mother-of-pearl, per cwt. ...	0	1	6	0	0	9	0	6	0
197	Munjeet, per cwt. ...	0	1	0	0	0	6	0	6	0
198	Mustard-seed, per bag of two bazar maunds.	0	1	0	0	0	6	0	8	0
199	Myrabollams, per cwt. ...	0	1	0	0	0	6	0	6	0
200	Nails in kegs, per cwt. ...	0	2	0	0	1	0	0	4	0
201	Naptha, per gallon ...	0	0	4	0	0	2	0	2	0
202	Needles, per cwt. ...	0	4	0	0	2	0	0	4	0
203	Nutmegs, per cwt. ...	0	3	0	0	1	6	0	8	0
204	Oars, per dozen ...	1	0	0	0	8	0	2	0	0
205	Oats, per bag of 1½ bazar maunds ...	0	1	0	0	0	6	0	8	0
206	Ochre, yellow, per cwt. ...	0	3	0	0	1	6	0	8	0
207	Oil-cakes, per cwt. ...	0	1	0	0	0	6	0	8	0
208	Oil, essential ...	Measurement rates.								
209	Oil, kerosine, in cases of two tins, per case.	0	2	6	0	2	0	1	0	0
210	Oil, linseed and other vegetable oils in drums, per imperial gallon.	0	0	4	0	2	0	0	2	0
211	Oil, linseed and other vegetable oils in casks, per imperial gallon.	0	0	3	0	2	0	0	2	0
212	Oilman's stores ...	Measurement rates.								
213	Onions, per maund ...	0	0	9	0	0	6	0	6	0
214	Opium, per chest ...	0	4	0	0	2	0	...	...	...
215	Paddy, per bag of 1½ bazar maunds ...	0	1	0	0	0	6	0	8	0
216	Paints, in kegs of 28 to 56 lb, per cwt. ...	0	3	0	0	2	0	0	8	0
217	Paints, in casks, per cwt. ...	0	2	0	0	1	6	0	8	0
218	Perfumery ...	Measurement rates.								
219	Peas, of all sorts, per bag of two bazar maunds.	0	1	0	0	0	6	0	8	0
220	Pepper, black and long, per cwt. ...	0	2	0	0	1	0	0	8	0
221	Patchouli, per cwt. ...	0	2	0	0	1	0	0	10	0
222	Phosphorus ...	Double measurement rates.								
223	Piece-goods, per bale or case not exceeding 20 cubic feet.	0	4	0	0	3	0	2	0	0
224	Piece-goods, in bales or cases exceeding 20 cubic feet.	Measurement rates.								
225	Pitch and tar, per barrel ...	0	4	0	0	2	0	2	0	0
226	Pitch and tar, per hogshead ...	0	8	0	0	4	0	4	0	0
227	Pitch and tar, per butt or puncheon ...	0	12	0	0	6	0	6	0	0
228	Plants, in package, per package ...	0	6	0	0	3	0	2	0	0
229	Plated-ware, in cases ...	Measurement rates.								
230	Polish, French, per gallon ...	0	1	0	0	0	6	0	4	0
231	Poppy-seed, per bag of two bazar maunds	0	1	0	0	0	6	0	8	0
232	Precious stones, per case ...	1	0	0	0	8	0	.....	...	...
233	Preserves, China and other ...	Measurement rates.								
234	Provisions (salt), in casks, per cask ...	0	12	0	0	6	0	3	0	0
235	Pumice stones, per cask ...	0	4	0	0	2	0	1	0	0
236	Putch leaves, per cwt. ...	0	1	6	0	0	9	0	8	0
237	Quicksilver, per cwt. ...	0	4	0	0	2	0	0	8	0
238	Quilts or razais ...	Measurement rates.								
239	Quinine ...	Ditto.								
240	Rape-seed, per bag of two bazar maunds	0	1	0	0	0	6	0	8	0
241	Rattans, per cwt. ...	0	1	0	0	0	6	0	4	0
242	Rice, per bag of two bazar maunds ...	0	1	0	0	0	6	0	8	0
243	Rice-bowls, in casks ...	Measurement rates.								
244	Rose leaves, per cwt. ...	0	2	0	0	1	0	0	6	0
245	Rosin, per cwt. ...	0	1	6	0	0	9	0	4	0

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		Rs. A. P.	Rs. A. P.	Rs. A. P.
246	Saddlery ... ..	Measurement rates.		
247	Safflower, in screwed bales, per pale ...	0 4 0	0 2 0	2 0 0
248	Sago, in cases or bags, per cwt. ...	0 1 6	0 0 9	0 6 0
249	Saltpetre, in bags, per cwt. ...	0 0 9	0 0 6	0 6 0
250	Samples, per parcel ...	0 1 0	0 0 6	0 2 0
251	Ditto in cases ...	Measurement rates.		
252	Sandalwood, per cwt. ...	0 3 0	0 2 0	0 8 0
253	Sandalwood-oil, per jar ...	1 0 0	0 8 0	5 0 0
254	Sarsaparilla roots, per cwt. ...	0 2 0	0 1 0	0 4 0
255	Ditto in cases ...	Measurement rates.		
256	School slates ...	Ditto.		
257	Screws, jack, per cwt. ...	0 2 0	0 1 0	0 8 0
258	Seeds of all other kinds not mentioned in the schedules, per bag of two bazar maunds.	0 1 0	0 0 6	0 8 0
259	Senna leaves, per cwt. ...	0 1 6	0 0 9	0 6 0
260	Shawls, Cashmere, or other ...	Measurement rates.		
261	Shell-lac or seed-lac, per chest ...	0 3 0	0 1 6	2 0 0
262	Shovels, per dozen ...	0 2 6	0 1 3	0 8 0
263	Sieves, tea, per dozen ...	1 0 0	0 8 0	4 0 0
264	Silk piece-goods, in cases ...	Double measurement rates.		
265	Do. raw, per bale ...	0 6 0	0 3 0	2 0 0
266	Silver, per box ...	0 4 0	.....	...
267	Skins, calf, per 100 ...	0 6 0	0 3 0	2 0 0
268	Do. goat and sheep, per 100 ...	0 1 6	0 0 9	0 6 0
269	Snuff, in cases ...	Measurement rates.		
270	Soda, per cwt. ...	0 1 0	0 0 6	0 4 0
271	Soap ...	Measurement rates.		
272	Spices (not in schedule), per cwt. ...	0 3 0	0 1 6	0 8 0
273	Spelter and Solder, per cwt. ...	0 1 6	0 1 0	0 4 0
274	Spirits, in wood, per imperial gallon ...	0 0 3	0 0 2	0 2 0
275	Do. bottled, per dozen quarts ...	0 1 6	0 1 0	0 8 0
276	Stamps or stamp paper ...	Measurement rates.		
277	Stationery, paper, books, card, and paste board.	Ditto.		
278	Staves for casks, per bundle ...	0 1 0	0 0 6	0 2 0
279	Steel, per cwt. ...	0 1 6	0 1 0	0 4 0
280	Stone, sets, per cwt. ...	0 0 6	.....	...
281	Stones, in blocks, per cwt. ...	0 1 6	0 1 6	0 2 0
282	Do. grinding, per cwt. ...	0 1 6	0 1 9	0 4 0
283	Do. over 2 tons ...	Charges by weight.		
284	Do. cut or engraved for monumental purposes, per cwt.	0 2 0	0 1 3	0 4 0
285	Sugarcandy, per cwt. ...	0 1 6	0 0 9	0 6 0
286	Sugar and khaur, in bags or hogsheads, per cwt.	0 0 9	0 0 6	0 6 0
287	Sulphate of copper, per cwt. ...	0 3 0	0 1 6	0 8 0
288	Talc, per cwt. ...	0 2 0	0 1 0	0 8 0
289	Tallow, per cwt. ...	0 4 0	0 2 0	0 8 0
290	Tamarind, per cwt. ...	0 1 6	0 0 9	0 6 0
291	Tea, in chests, each ...	0 2 0	0 2 0	0 8 0
292	Do. in $\frac{1}{2}$ or $\frac{1}{4}$ chest, each ...	0 1 3	0 1 0	0 4 0
293	Teel seeds, per bag of two bazar maunds	0 1 0	0 0 6	0 8 0
294	Timber, squared, per ton of 50 c. ft. ...	1 8 0	1 0 0	4 0 0
295	Do. scantling and planks, per ton ...	1 8 0	1 0 0	4 0 0
296	Tin plates in boxes, per box ...	0 1 6	0 1 0	0 4 0
297	Tin blocks, per cwt. ...	0 1 3	0 1 0	0 6 0
298	Tinical, per cwt. ...	0 1 0	0 0 6	0 6 0

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			Rs.	A.	P.	
299	Tobacco, manufactured ...		Measurement rates.			
300	Tobacco-leaf, per cwt. ...	0 1 0	0	0	6	0 3 0
301	Treacle, in casks, per cwt. ...	0 1 0	0	0	6	0 10 0
302	Turmeric, per cwt. ...	0 1 0	0	0	6	0 10 0
303	Turpentine, in drums, per imperial gallon	0 0 4	0	0	2	0 2 0
304	Do. in casks, per imperial gallon ...	0 0 3	0	0	2	0 2 6
305	Twine and lines, per bale ...	0 8 0	0	4	0	2 0 0
306	Twist and yarn, coloured or plain of sorts, per bale, not exceeding 20 cubic feet.	0 4 0	0	3	0	2 0 0
307	Twist and yarn, in bales exceeding 20 cubic feet.	Measurement rates.				
308	Twist and yarn of sorts, in cases not exceeding 20 feet, per case.	0 4 0	0	3	0	2 0 0
309	Twist and yarn of sorts, in cases exceeding 20 cubic feet.	Measurement rates.				
310	Types, per cwt. ...	0 2 0	0	1	0	0 4 0
311	Umbrellas ...	Measurement rates.				
312	Varnish, per cwt. ...	0 4 0	0	2	0	0 6 0
313	Varnish, copal, per gallon ...	0 1 0	0	0	6	0 2 0
314	Verdigris, per cwt. ...	0 3 0	0	1	6	0 8 0
315	Vermilion, per box ...	0 2 0	0	1	0	0 4 0
316	Vitriol, oil of, per jar ...	0 8 0	0	4	0	3 0 0
317	Watches, per box ...	1 0 0	0	8	0	.....
318	Wax, in cases ...	Measurement rates.				
319	Whiting, per cwt. ...	0 0 9	0	0	6	0 2 0
320	Wines ...	See Spirits.				
321	Wire, galvanized, telegraph, &c., per cwt.	0 2 0	0	1	0	0 4 0
322	Wire-netting, in packages ..	Measurement rates.				
323	Wood, red and sapan, per cwt. ...	0 1 0	0	0	6	0 4 0
324	Do. lignum vitae, per cwt. ...	0 2 0	0	1	0	0 8 0
325	Wood-rollers or bosses, bundle ...	0 0 9	0	0	6	0 2 0
326	Woollen piece-goods of country or European manufacture.	Measurement rates.				
327	Wheat, per bag of two bazar maunds	0 1 0	0	0	5	0 8 0
CHARGES BY MEASUREMENT.						
On all goods not enumerated, if in case, bales, crates, or casks, and on all goods specified to be charged for by measurement, the rate will be—						
328	If under 3 cubic feet ...	0 2 0	0	1	0	0 12 0
329	If over 3 cubic feet and under 5 cubic feet.	0 3 0	0	2	0	1 8 0
330	If over 5 cubic feet and under 10 cubic feet.	0 4 0	0	3	0	2 0 0
331	If over 10 cubic feet and under 15 cubic feet.	0 6 0	0	4	0	2 8 0
332	If over 15 cubic feet and under 20 cubic feet.	0 7 0	0	5	0	3 8 0
333	If over 20 cubic feet and under 30 cubic feet.	0 12 0	0	8	0	5 0 0
334	If over 30 cubic feet and under 40 cubic feet.	1 4 0	0	12	0	8 0 0
335	If over 40 cubic feet and under 50 cubic feet.	2 0 0	1	0	0	12 0 0
336	If over 50 cubic feet and under 60 cubic feet.	3 0 0	2	0	0	20 0 0
337	If over 60 cubic feet ...	4 0 0	2	8	0	30 0 0

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		Rs. A. P.	Rs. A. P.	Rs. A. P.
	CHARGES BY WEIGHT.			
338	On all goods not enumerated chargeable by weight, and not exceeding 2 tons, per cwt.	0 1 6	0 0 9	0 8 0
339	On all goods exceeding 2 tons and not exceeding 4 tons, per cwt.	0 2 0	0 1 0	0 8 0
340	On all goods exceeding 4 tons and not exceeding 10 tons, per cwt.	0 4 0	0 2 0	0 8 0
341	On all goods exceeding 10 tons, per cwt.	0 8 0	0 4 0	0 8 0

1. On all packages exceeding four tons in weight, the removal charge will, under all circumstances, have to be paid if consignees do not take delivery at the quay.  
Removal charge on heavy *lift*.
2. The rate for unloading into boats will be one-third of the landing charges. No cargo will be allowed to be put into boats if it is to be landed on the Calcutta bank of the river between the northern boundary of the Port and Kidderpore Dockyard. For rails and iron sleepers, the charge will be *one-fifth* of the landing charges.  
Delivery into boats.
3. No charge for wharf-rent will be made until the third day after landing, *e.g.*, goods landed on Monday will not be liable to wharf-rent if removed before Wednesday evening, and no charge for wharf-rent will be made for holidays, when, owing to the Custom-house being shut, consignees are unable, without any fault on their part, to clear their goods.  
Wharf rent when incurred.
4. Damaged goods, for which a claim is brought against the ship, will not be charged wharf-rent until the fourth day after landing: provided notice of survey is given to the Dock Superintendent within 48 hours after the goods have been received from the ship.  
Wharf-rent on damaged goods.
5. Goods will be delivered, if desired by consignees, by cart outside their godowns in Calcutta, at a charge equal to 70 per cent. of the landing charge, with a guarantee against loss or damage during transit.

*Scales of Charges for use of 30-ton Floating Crane or 100 ton sheers.*

		Per cwt.
		Rs. A. P.
Charges for use of floating cranes.	For each lift not exceeding 2 tons ...	0 1 6
	Do. exceeding 2 tons, but not exceeding 4 tons.	0 2 0
	For each lift exceeding 4 tons, but not exceeding 10 tons.	0 4 0
	For each lift exceeding 10 tons ...	0 8 0

**NOTE.**—If goods are taken delivery of through the Commissioners' carriage contractors, they will be considered as red when the shipping documents complete have been lodged in the Commissioners' Head Office.

(938-1)

## NOTICE.

In the Subordinate Judge's 3rd Court,  
Hooghly.

SUIT No. 40 of 1892.

Bijoy Krissen Mukerjee, plaintiff, *versus* Raja Peary Mohan Mukerjee and others, defendants.

**WANTED** a Receiver under section 503, C. P. C., for the realisation, preservation, better custody and management of the undermentioned immoveable property which is the subject of the above suit, the gross collection of which is Rs. 22,680-9-10, under the following terms.

Applications for appointment will be received up to the 19th January 1893—

## CONDITIONS.

1. The Receiver shall have to furnish security to the amount of Rs. 20,000 in cash or in Government securities.

2. The Receiver will be allowed by way of remuneration fee at the rate of 5 per cent. on the realisation, besides necessary collection charges and travelling expenses.

KADAR NATH CHATTERJEE, Sub-Judge.  
Hooghly, the 9th January 1893.

HOOGHLY COLLECTORATE.	Gross income.	Revenue payable.	Net income.
	Rs. A. P.	Rs. A. P.	Rs. A. P.
1. Lot Bahirgorah, tanzu No. 39, with chakran No. 2106, share 12a. 10g. ....	12,873 0 0	6,363 11 0	
2. Lot Mandanipur, tanzu No. 115, with chakran, share 2½, out of a 7a. share ....	1,781 3 10	1,123 12 9	
3. Lot Khursharaj, tanzu No. 3542, share 1½. 2k. 2kt. ....	160 0 0	95 10 6	
4. Lot Jigrah, tanzu No. 3234, share 2½, out of a 7a. share ....	176 13 5	105 13 0	
Total .....	14,990 1 9	7,687 15 0	
<b>Puttani Taluks.</b>		Rs. ....	
1. Lot Raipur .....	4,783 15 7	1,063 11 0	
2. Lot Brindabanpur .....	490 3 7	106 0 0	
3. Lot Rajbulabati .....	2,117 4 9	1,545 13 6	
Total .....	7,390 8 1	3,715 9 3	
<b>GRAND TOTAL</b> .....	22,380 9 10	11,403 9 0	10,977 0 10
<b>Lakhray.</b>			
Lakhray lands in Uttarparah and other places .....	About 900 or 910.	...	300 0 0
Total .....	22,680 9 10	11,493 9 0	11,277 0 10
Profit .....	.....	.....	11,277 0 10
Deducting collection cost at the rate of 5 per cent. upon the gross income Rs. 22,680-9-10 .....	.....	.....	1,132 10 0
Total .....	.....	.....	10,144 6 10

(953—1) UPENDRA CHANDRA MITRA, Shuristadar.

In the matter of the Indian Companies Act, 1882, and in the matter of the Indian Patent Stone Company, Limited, in Liquidation.

**NOTICE** is hereby given, in pursuance of section 186 of the Indian Companies Act, 1882, that a General Meeting of the members of the abovenamed Company will be held at No. 39, Strand, Calcutta, on Monday, the 24th of February next, at 12 o'clock noon, for the purpose of having an account laid before them, showing the manner in which the winding up has been conducted and the property of the Company disposed of, and of having any explanation that may be given by the Liquidators, and also of determining by extraordinary resolution the manner in which the books, accounts, and documents of the Company, and of the Liquidators thereof, shall be disposed of.

LOVELOCK & LEWIS, Liquidators.

The 17th day of January 1893.

(949--1)

## NOTICE.

In the Second Court of Subordinate Judge  
at Midnapore.

EXECUTION CASE No. 116 of 1892.

Bhuban Chandra Banerjee and another, executors of the estate of the late Ram Narain Roy, decree-holders, *versus* Fakir Chandra Roy, judgment-debtor.

**TO** be sold (subject to incumbrances as per detail given below) in the above case by the Nazir of the Judge's Court, Midnapore, at 12 o'clock (noon) on the 15th February 1893, for realisation of the judgment debt, Rs. 12,962-8-2, the right, title, and interest of the judgment-debtor in the whole 16 aunas share in the following property:—

Estate No. 1941, mehal Goomkupta, pargana Kasi-jorn, police-station and sub-registry Panskurah, district Midnapore, bearing A Register No. 972, and tanzu No. 491, and Government revenue Rs. 3,185-0-1.

The approximate value as estimated by the decree-holders is Rs. 5,000.

## INCUMBRANCES.

Number of execution cases and names of parties. Amount for which the above property is under attachment.

Execution Case No. 37 of 1891.

Nabadip Chandra Bose, decree-holder, *versus* Fakir Chandra Roy, judgment-debtor ... .. Rs. 2,483-1-10

Execution Case No. 51 of 1891.

Nabadip Chandra Bose, decree holder, *versus* Fakir Chandra Roy, judgment-debtor ... .. „ 1,179-1-19

Execution Case No. 56 of 1891.

Baikunta Nath Choudhury, decree-holder, *versus* Fakir Chandra Roy, judgment-debtor ... .. „ 3,418-3-6

Execution Case No. 61 of 1891.

Shib Narain Parah, decree-holder, *versus* Fakir Chandra Roy, judgment-debtor ... .. „ 1,233-12-0

Execution Case No. 67 of 1891.

Binoy Krishna Bose, decree-holder, *versus* Fakir Chandra Roy, judgment-debtor ... .. „ 1,452-6-0

Execution Case No. 69 of 1891.

S. M. Hari Dasi *versus* Fakir Chandra Roy, judgment-debtor ... .. „ 2,298-8-1

Execution Case No. 70 of 1891.

S. M. Hemangini Dasi *versus* Fakir Chandra Roy, judgment-debtor ... .. „ 1,320-4-0

Execution Case No. 93 of 1891.

Bogola Charan Bose *versus* Fakir Chandra Roy, judgment-debtor ... .. „ 3,322-8-0

Execution Case No. 51 of 1892.

Kedar Nath Banerjee *versus* Fakir Chandra Roy, judgment-debtor ... .. „ 1,951-2-9

RABI CHANDRA GANGULY, Sub-Judge.

Midnapur, the 6th January 1893. (941—1)

## Notice

**IS** hereby given that the Tongrapani Jungle, situated within the jurisdiction of thana Basia, pargana Belsia, district Lohardaga, which is held by Government in ticea for ten years ending in March 1895, on behalf of the Ranchi Government Industrial School, will be sold. The jungle contains sal, sesum, paisar and other timber trees.

Purchasers are requested to send in their tenders to, or to appear in person or through agent before, the undersigned to settle the price of the jungle or for any further information regarding it within six weeks from this date.

The following are the boundaries of the jungle:—

*North*.—Kher Tar and Goomi Serna.

*East*.—Chotka Lokir pahar.

*South*.—Kato Saheme Soda, Garha Kainjhi Tongri and Karil Tar.

*West*.—Kera band and Chota Raika pahar.

A. F. STEINBERG,

For Deputy Commr., District Lohardaga.

The 11th January 1893.

Notice of death sent to the Administrator-General under section 64, Act II of 1874.

Name of deceased.	Place of death.	Date of death.	By whom and when death reported.	REMARKS.
Mr. H. Royle ... ..	Singramari ... ..	2nd July 1892 ... ..	Officiating Judge, Assam Valley District; 13th December 1892.	Will left. The deceased was a Tea Planter in the district of Jarrang. No application for Letters of Administration or Probate.
.. O. A. K. Hoff ... ..	Ratawalpur ... ..	28th November 1891 ... ..	District and Sessions Judge, Rai Bareilly; 9th December 1892.	Will left. The deceased was an Indigo Planter of the Partabgarh district in the Rai Bareilly Judgeship; the widow has applied for Probate.
Cornelius Corden Masters	Bankipur ... ..	19th November 1892 ... ..	District Judge, Patna; 10th December 1892.	Intestate. The deceased was a Barrister-at-Law. Letters of Administration granted to his widow.
Mr. Charles John Maher.	Shahpur ... ..	14th December 1892 ... ..	District Judge, Shahpur; 17th December 1892.	Will left. The deceased was Civil Surgeon of Shahpur; his widow is appointed sole Executrix, who has applied for Probate.
.. Carl Dudrick Becken.	Moulmein ... ..	29th November 1892 ... ..	District Judge, Moulmein; 21st December 1892.	Will left. Probate has been granted to Executrix.
.. W. Shariff ... ..	Rangoon ... ..	3rd October 1892 ... ..	Registrar, Recorder's Court, Rangoon; 22nd December 1892.	Intestate. The deceased was a Guard in the Burma State Railway. No application for Letters of Administration.
.. J. T. Thomson ... ..	Simla ... ..	24th November 1892 ... ..	District Judge, Simla; 23rd December 1892.	Intestate. The widow will apply for Letters of Administration.
.. G. Rodrigue ... ..	Rangoon ... ..	15th December 1892 ... ..	Registrar, Recorder's Court, Rangoon; 22nd December 1892.	Intestate. The deceased was a Guard in the B. S. Railway. No application for Letters of Administration.
.. Charles James Connell.	Bareilly ... ..	28th December 1892 ... ..	District Judge, Bareilly; 2nd January 1893.	Will left. The deceased was in the Indian Civil Service. No application for Probate.
.. James Dowdie ... ..	Jalpaiguri ... ..	October 1892 ... ..	District Judge, Rangpur; 29th December 1892.	Will left. The deceased was Manager of Ghankain Tea Estate. No application for Letters of Administration.
.. William Hindbough	Allahabad ... ..	11th December 1892 ... ..	District Judge, Allahabad; 7th January 1893.	Intestate. The deceased was a Driver at Sonna. No application for Letters of Administration.

F. COLLIS SANDES, Offg. Administrator-General, Bengal.

CALCUTTA, the 13th January 1893.

WANTED a Second Master for the Barisal Zilla School on a pay (not exceeding Rs. 100 per month) to be fixed in communication with the Chairman. Applications will be received by the Chairman up to 25th instant. The Committee desires to have an M.A. in English.

MOHAMED WAZEZ, Vice-Chairman,  
Joint-Committee, Barisal.  
Barisal, the 13th January 1893. (948-1)

Original Suit No. 436 of 1879.

APPEAL No. 5 OF 1891.  
NOTIFICATION.

TO be peremptorily sold by the Registrar of the High Court of Judicature at Fort William in Bengal, Ordinary Original Civil Jurisdiction, at his Sale-room in the Court-house on Saturday, the 21st January 1893, at 12 o'clock noon, pursuant to a decree and order made in Suit No. 436 of 1889 (Benayek Misser *versus* Toolsey Persaud Bhuekt and others), and dated, respectively, the 10th March 1891 and 17th June 1892, the following property:—

Lot No 1.—No. 23 [formerly Nos. 18, 29 and 31], Kalakur Street, in the town of Calcutta, brick-built upper-roomed godowns and a dwelling-house with the land appertaining thereto, containing by estimation one bigha one cottah and three chitaks, be the same a little more or less, being Holding No 67, Block No. XVIII, in the North Division, Calcutta, in respect of which the annual revenue payable to Government is Rs. 3.16-7. This property was formerly bounded on the north partly by the premises No. 22, Kalakur Street, being the dwelling-house and tenanted-house of Lokonath Misser Thakur, and partly by the dwelling-house of Ramnarain Bysack; on the west partly by a public drain, partly by the dwelling-house of Preonath Sett, and partly by the dwelling of Gourdas Bysack; on the east by Kalakur Street; and on the south partly by the premises No. 56, Banatollah Lane, being the house and property of Bungsheedhur Dutt, and partly by a lane and partly by the Nohobutkhanah, No. 57, Banatollah Lane, belonging to the said Preonath Sett and Radha Kissen Sett. The boundaries as given in the Indenture of Mortgage, dated the 11th day of May 1845, and executed by the defendant Toolsey Persaud Bhuekt in favour of the plaintiff, are as follows:—On the north by the dwelling-house of one Beer Chunder Bundopadhyay; on the west partly by the dwelling-house of Romanath Sett and partly by the dwelling-house which was of the late Preonath Sett, and partly by the dwell-

ing house of Gourdas Bysack; on the south by the tenanted-house of Honuman Dass; and on the east by Kalakur Street.

The conditions of sale and the abstract of title may be seen at the office of the said Registrar and at the office of Messieurs Swinhoe and Chunder, Attorneys for the plaintiff, Benayek Misser, on any day before the sale, and will be produced at the sale.

R. BELCHAMBERS, Registrar.

Swinhoe and Chunder, Attorneys for the plaintiff Benayek Misser.

Calcutta High Court, Original Jurisdiction, the 7th December 1892.

(873-1)

Notification.

ZAMINDARI DAK CESS OF THE KHULNA DISTRICT.

IN modification of the Notification published in the *Calcutta Gazette* of the 28th December 1892, Part II, page 1155, it is hereby notified for information of the public that the Zamindari Dak Cess in the district of Khulna for the year 1893 has been fixed at the rate of Re. 1 (one rupee) per cent. per annum on the sadar jama of estates paying revenue amounting to Rs. 50 (fifty) and above. This reduced rate will be in force for five years from January 1893.

2. The amount due for each estate is payable in two instalments, the first being due on the 28th March 1893, and the second on the 28th September 1893. But the dates of payment now fixed are open to revision.

B. DE. Collector.

Khulna Collector's Office, the 10th January 1893.

Statutory Notice to Creditors.

IN pursuance of section 42, Act XXVIII of 1866, notice is hereby given that all persons having claims against the estate of Henry Eric Sutherland Hannay, late of Ribsdon Cottage, Windlesham, in the County of Surrey in England, who died on the 24th day of October 1891, should send in their claims to the undersigned on or before the 12th day of April next, after which date no claims will be admitted and the assets of the estate will be distributed.

W. E. S. JEFFERSON, Administrator in Calcutta to the Estate of the deceased.

Calcutta, the 12th January 1893.

(945-3)



**Caution.**

**L**OST Share Certificates Nos. 4651 to 4660 and Nos. 4921 to 4925 of the Borra Coal Company, Limited, standing in my name. Application will shortly be made for the issue of duplicates. The public are hereby cautioned against purchasing or otherwise dealing with the abovementioned lost shares.

SHYAMAPADA CHOWDHRY.  
Jalpaiguri, the 8th January 1893. (937—1)

**R**AKHAL DOSS BANDYOPADHYA, B.L., intends to be enrolled as a Vakeel, High Court.  
(951—4)

**Ranghur Company, Limited.**

**T**HE Ordinary General Meeting of the Shareholders of this Company will be held in the Company's Registered Office, No. 16, Strand, on Saturday, the 28th January at noon.

MACKINNON, MACKENZIE, & Co., Agents.  
(950—1)

**INSOLVENT NOTICES.**

*In the Court for the Relief of Insolvent Debtors at Calcutta.*

In the matter of AARON NUSSIM EZEKIEL JUDAH, an insolvent

On Wednesday, the 4th day of January instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of February next, and that the said insolvent do then attend to be examined before the said Court.

N. C. Bural, Attorney. (929—2)

In the matter of NORO COOMAR HALDAR, an insolvent.

On Saturday, the 7th day of January instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of March next, and that the said insolvent do then attend to be examined before the said Court.

B. C. Dutt, Attorney. (930—2)

Chief Clerk's Office, the 10th day of Jan. 1893.

In the matter of BOLIE CHEND DUTT, an insolvent,

Notice that an application for an *ad interim* protection order has been this day made by the said insolvent, and that such application will be heard and disposed of by the Acting Commissioner of the Insolvent Court on Tuesday, the 24th day of January instant., at the hour of half past ten o'clock in the forenoon.

Any creditor of the said insolvent desirous of opposing such application must appear before the said Court at the time and place aforesaid.

Prannauth Paul, Attorney. (951—1)

Chief Clerk's Office, the 17th day of January 1893.

**Insolvency Notice.**

**NOTICE** is hereby given that the undermentioned dividends are lying unclaimed:—

*Estate BOLIVFE ARTHUR JULITS, second insolvency.*

Nos.	NAMES OF CREDITORS.	Amount of claim.	First dividend at Rs. 32 per cent.
5	Beer Chand Dutt ... ..	Rs. A. P. 195 0 0	Rs. A. P. 62 6 5
7	George Baptist ... ..	474 0 0	151 10 10

*Estate Edwin Augustus DeSilva, an insolvent.*

Nos.	NAMES OF CREDITORS.	Amount of claim.	Second dividend at Rs. 9-8 per cent.
2	Chartered Mercantile Bank ... ..	Rs. A. P. 2,100 0 0	Rs. A. P. 199 8 0
3	Hallantine & Co. ... ..	2,314 13 3	219 14 6

A. B. MILLER, Official Assignee.

The 11th January 1893. (939—1)

**Notice**

Under section 354 of the Civil Procedure Code.

IN THE COURT OF THE DISTRICT JUDGE OF RAJSHAHAI.  
In the matter of Panchkari Saha, insolvent.

**P**ANCHIKARI SAHA, son of Ram Prosad Bhakat, resident of Sultangunja, station Godagari, district Rajshahai, has been declared an insolvent by this Court, and the 8th day of February 1893 has been fixed for his creditors to appear and prove their respective claims before this Court.

B. C. SEAL, Offg. District Judge.

Rajshahai Judge's Court, the 28th December 1892.

(910—1)

**POSTAL NOTICES.**

Mails for—	Date of closing at Calcutta.	Route by which despatched.
Egypt, Europe, America, Cape Colonies through United Kingdom.	18th Jan. 1893	Per P. & O. str. from Bombay.
Ditto ditto ...	25th .. ..	Ditto.
Ditto (book-post and pattern packets).	24th .. ..	Ditto.
Ceylon, Straits Settlements, Netherlands India, Labuan, Bangkok (Siam), Philippine Islands, China and Japan.	23rd .. ..	Ditto.
Australia, New Zealand and Tasmania.	23rd .. ..	Ditto.
Colombo and the Australasian Colonies.	27th .. ..	Via Bombay and Tuticorin.
Madras and Colombo ...	25th .. ..	Per P. & O. str. Akediv.
Straits, China, and Japan ...	25th .. ..	Per str. Chelydra.
Bangoon and Moulnmein ...	24th .. ..	Ditto Patna.
Bangoon, Moulnmein, Penang, and Singapore.	20th .. ..	Ditto Palamotta.
Akyah, Kyaukpau, Sandoway and Bangoon.	18th .. ..	Ditto Katoria.
Port Blair ... ..	25th .. ..	Via Madras.

*N.B.*—The letter-box for inland articles (including articles for Burma and Port Blair and for Ceylon by land route) will be cleared for the last time for articles without the late fee at 7 p.m. precisely; after which hour inland letters and papers fully prepaid and bearing an extra postage stamp of 4 annas will be received up to 7-30 p.m.

On the day of despatch of the Mail for Europe, the letter-box for Foreign articles will be cleared for the last time for articles without the late-fee at 8-30 p.m., and late letters and papers will be received up to 9 p.m. On other days the letter-box for Foreign articles will be cleared for the last time for articles without the late-fee at 7 p.m., and Foreign letters and papers fully prepaid, bearing an extra stamp of 4 annas, will be received up to 7-30 p.m. for despatch by any Foreign mails despatched the same night.

GEO. ED. WALKER, Offg. Presidency Postmaster.  
General Post Office, the 17th January 1893.

**Unclaimed Letters held in the Calcutta General Post Office on 17th January 1893.**

Arthur, Geo. H.	Kemble & Co.
Bander, Mr.	McBean, Bowker & Co.
Bushby, J.	McIlwraith, James.
Caddy, Dr. Arnold.	Malvoisin, Mons.
Clarkson, J. G.	Marderos, Porossiantz.
Coates, E. G.	Nation, Fred.
Coelho and Hunter.	Petler, P. E.
Digby, Wm.	Smith, John.
Dorman, R. C. S.	Sinha, Mookerjee & Co.
DuBois, Miss.	Stanley, G. & Co.
Hart-Bush, Mrs.	Temple, E.
Hope, G. W.	Water, & Co., A.
Kaudmer, Handelo.	

**Letters marked Care of "Post Office."**

Addis, A.	Barrington, R.
Ainsworth, Mrs.	Beckett, Miss.
Allen, C. H.	Bell, F.
Almeida, J. P.	Bell, J. Hyslop.
Anderson, Dr.	Bentley, Mrs. Walter.
Andrews, H. M.	Bernhard, B.
Armstrong, Mrs.	Berry, Mrs. E. R.
Asser, R. V.	Blanchet, Henri.
Augustine, S. M.	Blier, Paul.
Barnett, R.	Bradley, John.

*Letters marked Care of "Post Office."*

Braumeyer, Dr. Jur Franz.	Maclan, F. H.
Brower, Thos.	Main, J.
Brown, M.	Mann, John.
Bryan, C. H.	McDonald, D. M. K.
Bryden, Mrs. Edward.	McCartie, Surgeon-Major.
Cartwright, S. W.	Medd, G. H.
Charliph, M.	Mellegg, Baron, R. V.
Clark, Rev. F. E.	Merz, Charles.
Conolly, C. A.	Mittar, Mrs. C. H.,
Cook, S. G.	Monteb, J. H.
Courjon, Miss.	Moore, E. R. P.
Chapman, Miss, G. R.	Moss, L. E.
Crawford, H. E.	Munro, Miss.
Crawley, John G.	Murphy, J. C.
Daly, Mrs. W.	Murphy, C. E.
Davison, Mrs. M. B.	Murphy, C. S.
Deamrolais, Mr.	Murphy, M. F.
DeSouza, A. S. R.	Nation, Fred.
Denholm, John.	Naylor, Mrs. H. A.
Dohse, A.	Newington, Mrs.
Douglas, G. P. Home.	O'Donnell Capt. A. C.
Drew, Thos. M.	Otton, S. D.
Dwyer, Dr. M. O.	Pentling, T. H.
Earl, J. S.	Photographic Apparatus
Edarling, J. B.	Manufacturer.
Edwards, H. Western.	Pretty, R. N.
Fawns Miss M.	Pryce, A. E.
Forsyth, Mrs.	Pyle, Mrs. H. C.
Forsyth, Dr.	Reilly, Mrs. E. A.
Foster, H. E.	Reichlin, Baron.
Foster, R. J.	Roberts, H. W.
Freedman, J. J.	Roberts, Mrs. R.
George, J., Esq.	Roberts, Capt. R. T.
Garrett, E. L.	Robinson, Mrs. E. A.
Gordon, Douglas.	Roggs, C. W.
Gush, John A. D.	Savi, Henry.
Graydon, N. A.	Saxby, Frank.
Green, J. T.	Schmidt, H., Esq.
Hamilton, E.	Shaw, Mrs.
Harris, Gordon.	Shillingford, Mrs.
Harwood, H.	Slack, J. H.
Hayden, Miss M.	Skinner, G. E. C.
Hennessy, A.	Smith, Mrs. A.
Hosie, John.	Smith, T. D.
Houston, U. K.	Sinclair, Henry.
Hunter, C. H.	Stack, Mr.
Isaacs, Elias H.	Stewart, D. G.
Jahel, B. G.	Summers, Mr. T.
Johnson, Miss Cissie.	Tancred, T. S.
Johnston, Mrs.	Taylor, Wm.
Kane, R. J.	Thompson, L.
Kean, R.	Van Opstal, L. S.
Kidd, Dr. C. E.	Walther, H. R.
Kohnsperger, Edmund.	Walker, H. deR.
Lawrence, Lincoln.	Watts, Miss.
LeFeuvre, John.	Walshe, M. A. S.
Lee, J. W.	Webb, K. T.
Le Plastrier, C. A.	Weichert, W.
Lowrie, Francis.	Weir, W. H.
Lindenau, L. K.	Whitelaw, John.
Lynch, C. P.	Wichmann, Baron.
Lyons, B.	Wilcox, James.
Macaulay, Capt. M.	Wilson, Dr. Geo. A.

*Registered Letters.*

Gay, R.	Newington, D.
Gregory, John.	Puyl, L. V.
London, Mrs. Jessie J.	Smith, Adam.

*Unclaimed Letters held in the Barrackpore Post Office on the 16th January 1893.*

Cook, G. H.	Stephenson, Dr.
Finlay, Mrs. J. F.	Stewart, Col. J. N.
Macmahon, Capt. J. J.	

G. R. WALKER,

Offg. Presidency Postmaster, Calcutta.

**The Indian Law Reports.***Published under Authority.*

THE Indian Law Reports, published under the authority of the Governor-General in Council, appear in monthly parts, published as soon as possible after the first of each month at Calcutta, Madras, Bombay, and Allahabad, and comprise four series—one for the Calcutta High Court, a second for the Madras High Court,

a third for the Bombay High Court, and a fourth for the Allahabad High Court. The cases heard by the Privy Council on appeal from each High Court are reported in the Series for that High Court. Cases heard by the Privy Council on appeal from Provinces in India not subject to any High Court are reported in the Calcutta Series.

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# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JANUARY 18, 1893.

## OFFICIAL PAPERS.

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### DISTRICT ROAD FUND.

No. 157 R.C.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

Road Cess.

*Dated Calcutta, the 12th January 1893.*

### RESOLUTION.

READ—

Letter from the Accountant-General, Bengal, No. 771 L.F., dated 31st December 1892, submitting an abstract of receipts and expenditure of the several District Road Committees in Bengal for the quarter ending 30th September 1892.

**RESOLUTION.**—The Lieutenant-Governor directs that the accounts of the receipts and expenditure of the several District Road Committees in Bengal for the second quarter of the year 1892-93 be published in the *Calcutta Gazette* and circulated to the officers concerned.

**ORDER.**—Ordered that a copy of this Resolution, together with a copy of the abstract of receipts and expenditure, be published in the Supplement to the *Calcutta Gazette*.

Ordered also that a copy of this Resolution and of the abstract referred to be forwarded to the Commissioners of the Rajshahi, Bhagalpur, Chittagong, and Chota Nagpur Divisions; to the Superintending Engineers of the Northern and Western Circles; to the Inspector of Works, Eastern Circle; and to the Financial Department of this Government, for information.

By order of the Lieutenant-Governor of Bengal,

F. J. JOHNSTONE,  
*Secretary to the Government of Bengal.*

DISTRICT

Statement of Receipts and Expenditure of the several District Road

RECE

DISTRICTS.	Balance in treasury on 1st July 1892.	PROVINCIAL RATES.				Interest on arrears of road cess collections.	PUBLIC WORKS.			IRRI- GATION.	MISCELL.		
		Cess on lands.	Cess on mines and railways.	One per cent. road cess.	Total.		Road tolls.	Ferry tolls.	Total.		Canal tolls.	Rent of serais and staging- bungalows.	Fees, fines and forfeitures.	Miscellane- ous.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs. A. P.	Rs. A. P.	Rs.	Rs.	Rs.	Rs.	Rs. A. P.	Rs. A. P.	Rs. A. P.
CESSE DISTRICTS.													
Darjeeling	21,130 5 5	1,800 5 2	50 10 6	.....	1,836 15 8	.....	.....	.....	.....	.....	.....	.....	80 0 0
Hazaribagh	20,545 3 11	2,608 7 4	200 0 0	.....	2,307 7 4	103 13 10	.....	.....	.....	.....	13 8 0	19 4 0	42 13 0
Lohardaga	13,471 0 3	32 15 6	2 11 5	.....	55 10 11	.....	.....	.....	.....	.....	.....	155 12 0	65 13 3
Manbhum	5,187 13 7	4,136 1 2	610 9 8	.....	4,780 10 10	7 7 4	.....	.....	.....	.....	4 8 1 6	.....	168 2 9
Palamau	4,714 2 1	508 15 0	.....	.....	508 15 0	9 8 9	.....	.....	.....	.....	30 0 0	16 8 0	12 0 0
Total	65,051 9 3	8,506 12 2	948 15 7	.....	9,545 11 9	120 13 11	.....	.....	.....	.....	511 9 6	191 8 0	197 2 6
NON-CESSE DISTRICTS.													
Chittagong Hill Tracts	10,061 5 6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Santal Par- ganas	31,014 2 6	.....	33 2 0	.....	33 2 0	.....	.....	.....	.....	.....	234 4 0	1 0 0	368 15 9
Singbhum	2,054 0 9	.....	.....	.....	.....	.....	.....	.....	.....	.....	4 0 0	64 12 0	131 2 9
Total	41,029 8 9	.....	33 2 0	.....	33 2 0	.....	.....	.....	.....	.....	238 4 0	65 12 0	500 2 6
GRAND TOTAL	1,09,081 2 0	8,539 12 2	982 2 4	.....	9,578 14 6	120 13 11	.....	.....	.....	.....	753 13 6	256 4 0	697 5 0

EXPEN

DISTRICTS.	REFUNDS.			PROVINCIAL RATES.	ADMINISTRATION.			STATIONERY.	PUBLIC					
	Cess.	Other receipts.	Total.		Establishment and contingencies of Committee's office.	Percentage cost of establishment for offices of account and control.	Total.		Original works.	Repairs.	Establishment.	Tools and plant.	Toll and ferry establishment and contingencies.	Establishment of Divisional Superintendent of Works.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs.
CESSE DISTRICTS.														
Darjeeling	.....	.....	.....	382 1 8	270 12 4	.....	270 12 4	68 14 4	.....	2,179 7 3	140 0 0	.....	.....	.....
Hazaribagh	.....	93 8 0	93 8 0	871 6 6	306 7 5	.....	306 7 5	75 7 3	310 1 2	7,414 6 11	2,643 14 0	320 10 3	.....	.....
Lohardaga	.....	.....	.....	651 9 5	230 5 6	.....	230 5 6	43 0 0	230 3 0	9,726 14 1	1,982 0 1	3 0 0	.....	.....
Manbhum	.....	.....	.....	785 4 3	476 4 11	.....	476 4 11	70 4 6	.....	4,629 0 8	2,317 1 2	.....	.....	.....
Palamau	.....	.....	.....	297 14 0	.....	.....	.....	48 1 6	.....	.....	775 0 0	.....	.....	.....
Total	.....	93 8 0	93 8 0	2,505 3 9	1,343 14 2	.....	1,343 14	2,346 5 3	600 4 3	24,219 12 11	7,807 15 3	402 10 3	.....	.....
NON-CESSE DISTRICTS.														
Chittagong Hill Tracts	.....	.....	.....	.....	.....	.....	.....	.....	766 11 3	1,555 6 0	874 2 0	.....	.....	.....
Santal Parganas	.....	.....	.....	.....	532 7 0	.....	392 7 0	5 0 0	3,676 11 1	10,471 1 9	1,028 9 4	572 11 9	.....	.....
Singbhum	.....	.....	.....	.....	194 7 6	.....	194 7 6	82 4 11	937 7 9	219 5 2	775 5 6	43 1 0	.....	.....
Total	.....	.....	.....	.....	526 14 6	.....	526 14 6	85 10 11	5,391 14 1	13,645 13 8	3,678 0 10	604 12 9	.....	.....
GRAND TOTAL	.....	93 8 0	93 8 0	2,505 3 9	1,870 12 8	.....	1,870 12 8	431 0 2	5,052 2 4	36,865 10 7	11,386 0 1	907 7 0	.....	.....

FORT WILLIAM,

The 21st December 1892.

## ROAD FUNDS.

Committees for the Second Quarter ending 30th September 1892.

1PTS.

LANEWAYS.	Grant from Government.	EXPENDITURE ACCOUNT.			Provident Fund receipts.	Savings Bank investment with drawings.	Total receipts.	Balance of imprest in hands of Engrs and others decreased.	Balance of uncashed cheques increased.	Total receipts, including balance.	Outlay.	Balance in Treasury on 30th Sept. 1892.
		Advance.	Deposit.	Total.								
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs. A. P.	Rs. S. I.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
50 0 0	335 6 6	1,000 10 7	...	1,000 10 7	...	...	4,120 0 0	...	56 11 1	23,316 1 3	4,702 11 3	20,613 3 0
75 0 0	2,534 12 3	500 0 0	...	500 0 0	...	...	5,715 10 2	26 8 0	1,310 1 0	27,027 7 1	11,521 7 8	15,505 15 5
80 14 9	...	1,170 6 0	...	1,170 6 0	...	...	2,000 0 5	...	...	15,573 0 8	11,802 14 4	719 2 4
686 4 3	250 0 0	192 10 9	...	303 1 9	110 10 0	...	6,014 5 2	17 13 6	...	11,290 0 3	9,664 8 3	1,585 8 0
58 8 0	...	50 10 0	...	50 4 0	...	...	723 3 0	...	...	5,437 5 10	1,385 7 6	4,101 11 4
900 4 0	3,220 2 9	4,195 9 10	500 10 0	4,700 3 10	135 0 0	...	18,711 4 3	41 5 0	1,066 12 1	85,173 15 1	45,087 4 0	30,086 11 1
...	...	100 0 0	...	100 0 0	...	...	100 0 0	...	519 12 9	11,581 2 3	5,194 4 0	6,382 14 3
611 3 9	...	2,132 6 10	...	2,132 6 10	...	...	2,713 10 7	...	125 12 9	31,184 9 10	19,329 15 11	14,853 11 11
100 14 9	53 11 1	...	...	...	...	...	986 12 7	100 0 0	4 13 6	3,115 10 10	3,350 3 7	-211 8 9
811 2 6	753 11 1	2,232 6 10	...	2,232 6 10	...	...	3,830 7 2	100 0 0	950 7 0	48,910 6 11	25,885 5 6	23,025 1 3
1,711 6 6	3,973 15 10	6,129 0 8	500 10 0	7,021 10 8	135 0 0	...	22,541 11 5	114 5 6	2,317 3 1	1,84,084 6 0	70,973 9 6	63,111 12 6

## DITURE.

WORKS.	Total.	MISCELLANEOUS.			Provident Fund contributions to Provincial Govt.	EXPENDITURE ACCOUNT.			Provident Fund withdrawal's.	Savings Bank investment deposits.	Total expenditure.	Balance of imprest in hands of Engrs and others increased.	Balance of uncashed cheques decreased.	Total outlay.
		Canal & Irrigation and contingencies.	Staging, haulage, establishment and contingencies.	Miscellaneous.		Advance.	Deposit.	Total.						
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
2,319 7 3	...	...	19 4 8	19 4 8	...	1,612 6 0	...	1,612 6 0	...	...	4,702 14 3	...	...	4,702 14 3
10,088 0 6	27 0 0	...	...	27 0 0	...	2,861 1 8	...	2,861 1 8	...	...	11,521 7 8	...	...	11,521 7 8
12,002 1 2	24 0 0	344 4 6	43 0 0	411 4 6	...	159 0 0	1,362 0 0	1,513 0 0	...	...	11,802 14 4	...	...	11,802 14 4
7,276 1 10	...	100 4 0	60 7 10	160 11 10	73 12 0	110 0 0	157 8 0	267 8 0	...	221 4 0	9,664 8 3	...	330 4 11	9,664 8 3
776 0 0	25 0 0	...	...	25 0 0	...	140 8 0	...	140 8 0	...	...	1,385 7 6	...	...	1,385 7 6
33,000 10 8	70 0 0	441 8 6	120 12 6	643 5 0	110 5 0	4,012 15 3	1,519 5 0	6,432 7 3	...	221 4 0	44,760 15 1	...	330 4 11	45,097 4 0
3,108 4 0	...	...	...	...	...	...	...	...	...	...	3,108 4 0	...	...	3,108 4 0
17,028 1 11	48 0 0	23 0 6	...	70 7 0	...	1,457 8 0	238 0 0	1,695 8 0	...	...	19,120 13 11	200	...	19,320 13 11
1,074 3 5	76 0 0	82 3 7	430 5 11	587 9 6	46 14 0	471 12 3	...	471 12 3	...	...	3,357 3 7	...	...	3,357 3 7
22,200 9 4	123 0 0	104 10 1	430 5 11	658 0 0	46 14 0	1,020 4 3	238 0 0	2,167 4 3	...	...	25,685 5 6	200	...	25,885 5 6
55,201 4 0	199 0 0	510 2 7	553 2 5	1,301 5 0	157 3 0	6,442 3 0	1,767 8 0	8,500 11 0	...	221 4 0	70,442 4 7	200	330 4 11	70,973 9 6

O. T. BARROW,  
Accountant-General, Bengal.

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**MALPRACTICES IN CONNECTION WITH EXAMINATIONS.**

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GENERAL DEPARTMENT—EDUCATION.

*Calcutta, the 17th January 1893.*

RESOLUTION No. 149.

As it has come to the notice of Government that forged certificates have sometimes been used for the purpose of gaining admission to an examination, or of being admitted as a student at a Government place of education, the Lieutenant-Governor deems it expedient, for the purpose of preventing this and other serious malpractices, to lay down the following rule, which will come into force from the date of its publication:—

Persons detected in the use of forged certificates or in other serious malpractices at examinations held under the authority of Government or of a Municipal or local body, or in order to obtain admission to an Educational Institution, or to gain any improper advantage in the examination, will be considered disqualified for entering the service of Government or of any Municipal or local body.

ORDER,—Ordered that the Resolution be published in the *Calcutta Gazette*.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

*Secretary to the Government of Bengal.*

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**LIBERALITY OF CERTAIN ZAMINDARS IN THE GIRIDIH  
SUB-DIVISION.**

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No. 194Med., dated Calcutta, the 16th January 1893.

From—H. H. RISLEY, Esq., Secy. to the Govt. of Bengal, Municipal Dept.,  
To—The Commissioner of the Chota Nagpur Division.

I AM directed to acknowledge the receipt of your letter No. 147T.J., dated the 5th January 1893, in which you report the liberality of Babu Sarada Narain Singh of Serampur, Babu Toral Narain Singh of Gawan, and Babu Poresh Nath Singh of Palganj, in contributing Rs. 2,000, Rs. 1,500, and Rs. 500, respectively, towards the cost of establishing the dispensary at Giridih, which was opened by His Honour the Lieutenant-Governor on the occasion of his visit to that place on the 2nd November 1892. You also report that Babu Sarada Narain Singh has liberally undertaken to bear the cost of maintenance of the dispensary until such time as some public body may come forward to take over the charge of its maintenance.

2. In reply, I am directed to say that the Lieutenant-Governor has much pleasure in acknowledging the liberality of the donors, especially of Babu Sarada Narain Singh, and to request that an expression of His Honour's thanks may be conveyed to them for their generosity and public spirit. Sir Charles Elliott is also pleased to note your commendations of Mr. W. Rattray, the Sub-divisional Officer by whose exertions the institution was founded.

3. This letter will be published in the *Calcutta Gazette*.

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 14th January, 1893.

No.	District and date of return.	Rainfall at Sadar Station in inches.	Character of the weather and state and prospects of the crops.
<b>BENGAL.</b>			
BUREWAS DIV.	1 Burdwan Jan. 14, '93	Nil	Weather—cool and clear. State and prospects of crops good, except in the Sadar subdivision. Prices of common rice:—  Srs. Burdwan ... 10 to 13 Kalna ... 11 to 13 Katwa ... 13 Raniganj ... 13 } per rupee.
	Kalna ...	Nil	
	Katwa ...	Nil	
	Raniganj ...	Nil	
	2 Backura „ 14, '93	0.02	Weather—seasonable. Threshing of <i>aman</i> paddy going on. <i>Rabi</i> crops doing well. Fodder and water sufficient. Prices of common rice:—  Srs. Sadar ... 12½ Vishnupur ... 11½ } per rupee.
	Vishnupur ...	Nil	
	3 Birbhan „ 14, '93	0.01	Weather—seasonable. Prices of rice still 12 to 14 seers per rupee. Fodder and water plentiful.
	Rampur Hat ...	0.03	
	4 Midnapore „ 14, '93	Nil	Weather—cool and dry. Rice harvest finished some time ago. Prices of common rice:—  Srs. Sadar ... 11 Umrai ... 10 to 14 Tamluk ... 13 Garhbeta ... 12 to 13 } per rupee.
	5 Hooghly „ 14, '93	Nil	
	Scrampore ...	Nil	
	Jahanabad ...	Nil	
	6 Howrah „ 14, '93	Nil	Weather—very cold. <i>Aman</i> harvest in progress; outturn in Sadar and north of the Tarakeswar Railway in Scrampore not much over 3 annas; south of the Tarakeswar Railway it is about 12 annas. <i>Rabi</i> doing pretty well, but in the Sadar subdivision, although extensively planted, it is, except the <i>biri kalai</i> , a light crop. Difficulty of obtaining drinking water increasing in Pandua and Dwarbasini. Prices of common rice:—  Srs. Sadar ... 9 to 10 Scrampore ... 10½ Jahanabad ... 11 } per rupee.
	Ulubaria ...	Nil	
	7 24-Parganas „ 14, '93	Nil	Weather—seasonable. Foggy mornings; somewhat warmer. Harvesting of <i>aman</i> completed in nearly all parts of the district. Prospects of <i>rabi</i> continue favourable. Cattle-disease reported from Barasat subdivision. There is no present lack of fodder and water.
PRESIDENCY DIV.	8 Nadia „ 14, '93	Nil	Weather—cold and seasonable. Prospects of <i>rabi</i> crops good. Some of them are being harvested. Common rice selling at 13 seers per rupee. Health of cattle good, and fodder and water-supply sufficient.
	Kashita ...	Nil	
	Meherpur ...	Nil	
	Choudanga ...	Nil	
	Ranaghat ...	Nil	
	9 Khulna „ 14, '93	Nil	Weather—seasonable. Harvesting of <i>chhotan</i> paddy over, that of <i>boran</i> paddy continues; outturn good except in Paickgacha. Common rice selling at from 12 to 14 seers per rupee. Prospects of <i>rabi</i> fair. Fodder and water sufficient.
	Bagerhat ...	Nil	
	Satkhira ...	Nil	
	10 Jessore „ 14, '93	Nil	Weather—cool. Harvesting of <i>aman</i> not yet finished. Mustard being reaped. Prospects of <i>rabi</i> crops fair. No cattle-disease. Fodder and drinking-water sufficient. Prices of rice stationary.
	Jhenida ...	Nil	
	Magura ...	Nil	
	Narail ...	Nil	
	Bangson ...	Nil	
	11 Murshidabad „ 14, '93	Nil	Weather—seasonable. Harvesting of <i>aman</i> and <i>kalai</i> finished. Prospect of <i>rabi</i> crops appears to be favourable. No cattle-disease reported, and fodder sufficient. Coarse rice selling at 14 seers per rupee.



No.	District and date of return.	Rainfall at Sadar Station in inches.	Character of the weather and State and prospects of the crops.
<b>BENGAL—concluded.</b>			
<b>CHITTAGONG DIV.</b>	12 Chittagong ...	...	Report not received.
	13 Noakhali Jun. 14, '93	Nil	Weather—seasonable. <i>Aman</i> paddy almost harvested with an outturn of 16 annas. Sowing of <i>rabi</i> crops continues. No cattle-disease except in Companiganj and Sundip. Price of rice 14 seers per rupee.
	14 Tippera „ 14, '93	Nil	Weather—seasonable. Harvesting of <i>aman</i> almost completed. Mustard and chillies thriving. Prices of grain high chiefly on account of exportation. Large profits being realized for jute by cultivators.
	15 Chittagong Hill Tracts „ 13, '93	Nil	Weather—seasonable. Vegetables doing well. Sugarcane being pressed. Mustard in flower. No cattle-disease reported. Common rice selling at 10 seers per rupee.
<b>DACCA DIV.</b>	16 Dacca „ 14, '93	Nil	Weather—very cold. <i>Rabi</i> crops thriving, but in Nawabganj the state of these crops reported to be bad. <i>Kalai</i> being gathered. Fodder available. No cattle-disease. Common rice selling at from 11 to 11½ seers per rupee.
	17 Faridpur „ 14, '93	Nil	Weather—seasonable. <i>Rabi</i> crops fair. <i>Boro</i> paddy being sown. Common rice sells at 13 seers per rupee at Sadar, Goalundo, and Madaripur. Cattle in good condition and get fodder.
	18 Backergunge „ 14, '93	Nil	Weather—seasonable. Prospects of crops good. Common rice sells at from 10 to 15 seers per rupee. Fodder and water sufficient in all places except towns Backergunge and Mendiganj, where fodder is reported not sufficient.
	19 Mymensingh „ 14, '93	Nil	Weather—seasonable. Prospects of standing crops good. Harvesting of <i>aman</i> paddy nearly completed. Rice selling at from 12 to 14 seers per rupee. There is no cattle-disease. Fodder and water sufficient.
<b>RAJBHARI DIV.</b>	20 Dinajpur Thakurgaon „ 14, '93	0·21 0·21	Weather—cool. Standing crops doing very well. Harvesting of winter rice still going on in places. Outturn of mustard is estimated to be 14 annas and that of <i>haiwanti</i> rice 16 annas. Pressing of sugarcane continues. Land being prepared for <i>bhadai</i> and jute. Price of rice unchanged. Condition of cattle good. Supply of fodder and drinking water sufficient.
	21 Rajshahi Nator Naugaon „ 11, '93	Nil Nil 0·23	Weather—seasonable. On an average, a full 12 annas <i>aman</i> rice crop has been reaped in the district. Cold-weather crops also are giving a very fair outturn, or are coming up nicely. There is no cattle-disease. Fodder and water plentiful except in the Barind. Price of common rice ranges from 12 to 17 seers per rupee.
	22 Rangpur Kurigaon Gaibanda Nilphamari Ulipur „ 14, '93	0·43 0·22 0·05 0·37 0·30	Weather—seasonable. Prospect of <i>rabi</i> crops good. Mustard is ripe in some places. Price of common rice unchanged.
	23 Bogra „ 14, '93	0·04	Weather—seasonable. Harvesting of <i>aman</i> rice practically over; outturn about 16 annas on the whole. <i>Rabi</i> crops doing well. <i>Muskalai</i> and <i>mug</i> have been harvested with an estimated outturn of 14 annas. Price of common rice 15 to 16½ seers per rupee. Cattle-disease is no longer reported. Fodder and water sufficient.
	24 Pabna „ 14, '93	Nil	Weather—seasonable. <i>Aman</i> rice harvested. Prospects of <i>rabi</i> crops continue to be good. Common rice is selling at Pabna at 13½ seers per rupee. Condition of cattle good. Fodder and water-supply sufficient.
	25 Darjeeling Siliguri „ 14, '93	Nil 0·14	Weather—cool. <i>In the hills</i> :—Wheat, barley and <i>tori</i> progressing favourably; potatoes coming to maturity; <i>marua</i> being harvested. <i>In the terai</i> :—Paddy and potatoes are still being harvested; mustard ripening; state and prospects of crops good. Prices of coarse rice :— <div style="text-align: right;">Srs.</div> <div style="display: flex; justify-content: flex-end;"> <div style="text-align: left;"> Hills ... ..  Terai ... .. </div> <div style="text-align: right;"> 11 12 </div> </div> per rupee.
	26 Jalpaiguri „ 14, '93	0·06	Weather—cold and cloudy at times. Harvesting of <i>haiwanti</i> paddy nearly completed. Prospects of tobacco and potato continue good. Common rice sells at 13 seers per rupee on an average. No cattle-disease. Fodder and water sufficient.

No.	District and date of return.	Rainfall at Sadar Station in inches.	Character of the weather and state and prospects of the crops.
BHAR.			
27	Monghyr	Jan. 14, '93	Weather—cold and dry. Harvesting of rice has been completed. Prospects of the <i>rabi</i> crops are favourable. Poppy and indigo are doing well. No cattle-disease. Plenty of fodder. Prices of common rice:— <div>Srs. Sadar ... .. 13 to 16 Begusarai ... .. 15 Jamui ... .. 14½ } per rupee.</div>
	Begusarai	...	
	Jamui	...	
	...	0.03	
28	Bhagalpur	„ 14, '93	Weather—seasonable. Harvesting of paddy approaching completion. Price of common rice stationary. Rain wanted for <i>rabi</i> . Indigo in good condition. Common rice 15 seers 2 chitaks per rupee.
	Banaka	...	
	...	Nil	
	...	Nil	
29	Purnea	„ 14, '93	Weather—cold and foggy in the mornings. There was a slight shower last Saturday (7th). Harvesting of <i>aykani</i> nearly over. <i>Rabi</i> crops doing well. The recent rain will benefit these crops. Harvesting of mustard and tobacco has commenced in some places. Pressing of sugarcane has begun here and there. No cattle-disease. Fodder and water plentiful. Prices of rice stationary.
	Kishanganj	...	
	Araria	...	
	...	0.52 0.24 0.09	
30	Malda	„ 14, '93	Weather—generally cold; mornings foggy. Harvesting of winter rice nearly over. <i>Kalai</i> and mustard still being reaped with good outturn. Other <i>rabi</i> crops doing well. Common rice sells at from 12 to 16 seers per rupee. Fodder and water ample.
	Chanchal	...	
	Shibganj	...	
	...	0.06 0.16 0.15	
31	Senthal Parganas	„ 14, '93	Harvesting and threshing of paddy nearly over. <i>Rabi</i> crops doing well. Fodder and water sufficient.
	Deoghur	...	
	Godda	...	
	Jamtara	...	
32	Patna	„ 14, '93	Weather—cool and clear. Harvesting and threshing of paddy almost finished. <i>Rabi</i> crops generally in ear. Prospects fair. Poppy in flower. Common rice selling at the following rates:— <div>Srs. Sadar ... .. 17 Bihar ... .. 17 Dinapore ... .. 13 Barh ... .. 13 } per rupee.</div>
	Bihar	...	
	Dinapore	...	
	Barh	...	
33	Gaya	„ 14, '93	Weather—clear and cold. Harvesting of paddy crop approaching completion, threshing in progress. <i>Rabi</i> crops are in good condition. Pressing of sugarcane nearly finished. Common rice sells at 14 seers per rupee at Sadar. Prices stationary. Fodder and water for cattle sufficient.
	Nawada	...	
	Jahnu and Aurangabad	...	
	...	0.27	
34	Shahabad	„ 14, '93	Weather—seasonably cool with light breezes; very cold at night and heavy dews. Harvesting of rice nearly over. Prospects of <i>rabi</i> favourable, but more rain wanted in the subdivisions of Bhabhua and Sasaram. Opium crop being weeded. Sugarcane being pressed. Fodder and water sufficient. Prices stationary.
	Sasaram	...	
	Bhabhua	...	
	Buxar	...	
35	Darbhanga	„ 14, '93	Weather—cool. Threshing of winter rice approaching completion. The late rain has greatly benefited the <i>rabi</i> crops. Poppy is doing well. Condition of cattle good. Prices of common rice varying from 14 to 15 seers per rupee.
	Samastipur	...	
	Madhubani	...	
	...	0.22 0.63	
36	Muzaffarpur	„ 14, '93	Weather—cool and seasonable. Threshing of paddy still going on. State of <i>rabi</i> crops good. More rain would do good. Fodder and water plentiful.
	Hajipur	...	
	Sitamarhi	...	
	...	0.20 0.12	
37	Saran	„ 14, '93	The rain has cleared off and the weather is again fine and clear. <i>Rabi</i> and opium prospects are good. Sugarcane is being pressed. Prices of common rice:— <div>Srs. c. Chapra ... .. 14 8 Siwan ... .. 13 2 Gopalganj ... .. 13 0 } per rupee.</div>
	Siwan	...	
	Gopalganj	...	
	...	0.30 0.15	
38	Champaran	„ 14, '93	Weather—cold; sometimes cloudy. Paddy is being threshed. <i>Rabi</i> and poppy doing well. Weeding going on. Lands are being ploughed for indigo sowing. Prices steady. Cattle are in good condition. Fodder and water sufficient.
	...	Nil	
	...		
	...		
ORISSA.			
39	Cuttack	„ 14, '93	Weather—cold. Harvesting of late <i>sarad</i> not yet completed and that of winter crops going on. Ample supply of water and fodder for cattle. Prices of rice:— <div>Srs. c. Srs. Sadar ... .. 10 8 to 18 Jajpur ... .. 15 12 to 21 Kendrapara ... .. 15 0 to 20 Banki ... .. 17 } per rupee.</div>
	...	Nil	
	...		
	...		
40	Puri	„ 12, '93	Weather—seasonable. <i>Sarad</i> being harvested. Sowing of <i>datura</i> still going on. <i>Rabi</i> crops doing well. Rice sells at from 15 seers 12 chitaks to 18 seers 6 chitaks per rupee.
	Khurda	...	
	Banpur	...	
	...	Nil	
41	Balasore	„ 14, '93	Weather—normal. Rice harvest practically over. Outturn of <i>biri</i> , <i>mug</i> and mustard estimated at 13 to 14 annas.
	...	Nil	
	...		
	...		

No.	District and date of return.	Rainfall at Nadar Station in inches.	Character of the weather and state and prospects of the crops.
<b>CHOTA NAGPUR.</b>			
<i>South-West Frontier Agency.</i>			
42	Hazaribagh Jan. 14, '93	Nil	Weather—bright and cold. Crops are generally in good condition. Common rice selling at from 12 to 16 seers per rupee. Cattle-disease reported in parts of the district.
43	Lohardaga „ 14, '93	Nil	Weather—cold. Reaping of <i>sarguja</i> commenced. Prospect of <i>rabi</i> continues favourable. Common rice selling at 14 seers per rupee. Fodder and water sufficient.
44	Palamanu „ 13, '93	0.09	Weather—cloudy at first with a slight shower of rain; now clear and cold. There was a very slight fall of rain in most parts of the district, which has freshened up the <i>rabi</i> a little, but has been insufficient to cause any great benefit. Paddy harvest finished. Sugarcane being cut. Cattle-disease reported in a few villages. Average price of rice about 15 seers per rupee.
45	Singhbhum „ 14, '93	Nil	Weather—clear and cold. <i>Rabi</i> crops doing well; probable outturn 12 to 16 annas. Common rice selling at from 12 to 16 seers per rupee in the district. Water and fodder ample.
46	Manikam Gobindpur „ 14, '93	0.15 Nil	Weather—much colder than last week. <i>Rabi</i> crops doing well. Rice selling at from 10 to 14 seers per rupee. Fodder and water-supply plentiful.

Published for general information.

CALCUTTA; REVENUE DEPT.,

The 17th January, 1893.

C. E. BUCKLAND,

Secy. to the Govt. of Bengal.

## Results of the Meteorological Observations taken at the Alipore Observatory from 8th to 14th January 1893.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° F.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
Jan.	8th	129.1	7.6	30.013	66.7	76.5	17.1	59.4	62.5	0.511	59.6	79	NNE and calm ...	62	Nil	Chiefly clear,
"	9th	124.7	9.4	.037	63.0	70.9	15.6	55.3	56.7	.379	51.3	67	N and NNW ...	73	"	Clear, d.
"	10th	127.1	9.1	.014	60.0	72.1	23.6	48.5	55.5	.327	47.2	66	NNW ...	52	"	Clear, d.
"	11th	126.3	9.1	29.982	59.9	72.0	22.3	49.7	53.7	.331	47.8	68	NNW ...	59	"	Clear, d.
"	12th	128.0	9.3	.931	60.2	73.5	21.8	48.7	54.5	.355	49.5	71	NNW and calm ...	36	"	Clear, d.
"	13th	127.2	9.2	.902	61.5	74.9	21.9	50.0	55.6	.366	50.3	67	WNW and calm ...	31	"	Clear, d.
"	14th	131.4	9.4	.863	62.8	76.7	25.6	51.1	57.2	.396	52.5	69	W and calm ...	59	"	Clear, d.

The mean pressure of the seven days ... 29.970  
The average pressure of the corresponding period for 24 years, S.-G.'s Office ... 30.02,

The total number of hours of bright sunshine ... 63.3  
The maximum possible number of hours of sunshine ... 7.67

The mean temperature of the seven days ... 62.0  
The average temperature of the corresponding period for 24 years, S.-G.'s Office ... 66.8  
The extreme variation of temperature ... 28.2  
The maximum temperature ... 76.7

The highest velocity of the wind in one hour ... 16  
Fus.

The highest pressure of wind on one square foot ... ..

The mean relative humidity ... 70  
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office ... 70

The total fall of rain from 8th to 14th January 1893 ... Nil  
The average fall of the corresponding period for 24 years, S.-G.'s Office ... 0.67  
The total fall from 1st to 14th January 1893 ... Nil  
The average fall of the corresponding period for 24 years, S.-G.'s Office ... 0.11

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newmar's No. 86, furnished at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed at the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beasley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

d, dew; =, fog.

C. LITTLE,

For Meteorological Reporter to the Govt. of Bengal

METEOROLOGICAL OFFICE, GOVT. OF INDIA;

Calcutta, the 16th January 1893.

## Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	STATION OBSERVATIONS.													
	District.	Representative station.	AIR PRESSURE.				WIND.		TEMPERATURE.					
			Mean barometric height 8 A.M. reduced to 32°.	Mean reduced to sea-level and constant gravity, 32° F.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest.	Date.	Lowest.	Date.	Mean maximum temperature.	Mean minimum temperature.	Mean daily temperature.
ORISSA.	Puri	Puri	30.026	29.976	—	N	161	80.6	9th Jan.	60.6	12th Jan.	78.0	68.7	68.3
		Gopalporo	30.039	29.991	—0.041	NNW	210	79.2	9 & 10	62.5	13th	78.1	67.5	67.9
		False Point	30.031	29.992	—0.032	NNW	161	78.4	9th	40.5	12th	75.9	54.9	65.4
	Cuttack	Cuttack	29.973	30.000	—0.043	Calm	23	83.3	9th	61.9	12th	79.9	55.7	67.8
	Balasore	Balasore	29.999	30.004	—0.001	N	74	79.3	8 & 14	48.4	11 & 12	77.7	53.5	65.1
SOUTH-WEST BENGAL.	Midnapore	Midnapore	29.997	30.012	—0.016	N	176	80.3	8 & 14	48.2	10th	78.1	52.1	65.1
	24-Parganas	Calcutta	30.027	29.993	—0.063	Calm & N Ely	51	77.7	8th	48.7	10 & 12	74.0	51.8	63.0
		Saugor Island	30.021	29.992	—0.055	N Ely	189	75.7	9th	50.7	11th	73.4	54.0	63.7
	Howrah	Howrah	30.036	29.999	—0.042	WNW	71	77.9	8th	44.5	10th	74.4	48.4	61.4
	Nadia	Krishnagar	30.005	29.986	—0.001	Calm	50	76.7	8th	47.4	10 & 11	73.3	51.0	62.2
NORTH BENGAL.	Burdwan	Burdwan	29.956	30.009	—0.056	Calm	21	79.5	8th	47.3	10th	75.3	51.6	63.4
		Raniganj	29.714	30.031	—0.080	NW	45	78.7	8th	47.2	10 & 12	74.9	50.8	63.2
	Bankura	Bankura	29.732	29.990	—0.002	NWly	49	79.1	8th	47.4	10th	76.0	51.6	63.8
	Murshidabad	Berhampore	29.978	29.998	—0.008	NWly	41	75.6	9th	48.9	9th	73.7	51.4	62.6
	Pabna	Sirajganj	29.978	29.977	—0.008	N	19	74.5	14th	45.8	10th	73.3	48.8	61.1
EAST BENGAL.	Bogra	Bogra	29.961	29.978	—0.053	Calm	34	76.3	8th	40.2	16th	73.5	48.5	61.2
	Rajshahi	Rampur Baula	29.959	29.982	—0.056	N	83	73.4	14th	44.1	10th	72.2	48.4	60.3
	Malda	Malda	29.902	29.900	—	NW	81	74.8	14th	?	?	71.8	?	?
	Dinajpur	Dinajpur	29.920	29.999	—0.039	W	45	74.1	14th	45.5	10th	71.0	48.2	59.6
	Rangpur	Rangpur	29.934	29.990	—0.067	Calm	27	72.4	12th	47.0	10th	70.1	47.9	60.0
NORTH BENGAL.	Jalpaiguri	Jalpaiguri	29.731	29.990	—0.063	Calm	23	72.9	14th	47.1	9th	60.3	48.9	59.1
	Darjeeling	Darjeeling	22.914	—	—1.00	Variable	120	43.0	12 & 14	30.7	10th	40.4	32.4	36.6
	Sikkim	Gnatong	19.104	—	—	R-H	104	43.3	15th	4.1	8th	35.5	10.6	23.3
	Chittagong	Chittagong	29.953	29.972	—0.072	Calm	46	78.7	9th	40.8	11th	70.9	52.5	64.3
	Chittagong Hill Tracts	Demagiri	—	—	—	—	—	—	—	—	—	—	—	—
NORTH BENGAL.	Backergunge	Barisal	30.009	29.968	—0.062	Calm	37	79.3	4th Jan.	47.1	10th	75.6	51.0	63.3
	Noakhali	Noakhali	29.968	29.960	—0.008	N	66	77.9	8th	47.0	10, 11, 12	74.4	49.1	61.8
	Faridpur	Faridpur	29.937	29.983	—0.062	N	41	74.0	8th	49.5	10th	72.7	52.0	62.4
	Dacca	Dacca	30.002	29.973	—0.074	NWly	57	75.6	8th	48.7	10th	75.1	52.5	63.8
	Tippura	Gomilla	29.996	29.974	—0.063	Calm	23	77.4	9th	46.1	11th	75.8	49.7	62.4
NORTH BENGAL.	Mymensingh	Mymensingh	29.960	29.979	—0.079	Variable	43	73.9	13th	46.5	11th	72.5	48.9	60.7
	Purnea	Purnea	29.917	29.906	—0.065	Calm	33	73.2	10th	47.3	19th	73.9	47.6	60.3
	Bhagalpur	Bhagalpur	29.875	29.938	—0.062	Calm	15	74.3	9th	44.0	10th	71.6	47.0	59.3
	Darbhanga	Darbhanga	29.889	29.913	—0.065	WSW	63	73.0	8th	47.4	10th	70.7	50.2	59.5
	Muzaffarpur	Muzaffarpur	29.871	29.917	—0.067	WSW	70	75.2	12th	44.5	10 & 11	70.5	47.4	59.0
NORTH BENGAL.	Champaran	Motihari	29.712	29.991	—0.066	WSW	98	73.2	8, 13, 14	40.0	10th	71.0	44.8	58.2
	Narain	Chapra	29.863	29.911	—0.056	SW	50	72.8	8th	41.9	10th	70.5	46.9	58.7
	Shahabad	Dohri	29.691	29.922	—0.062	SW	62	72.7	14th	46.0	10th	70.9	50.1	60.6
	Shahabad	Buxar	29.800	29.912	—0.066	Variable	158	68.9	11, 13, 14	43.9	10th	68.5	47.5	58.0
	Gaya	Arrah	29.853	29.900	—0.042	W	63	71.9	13th	44.7	10th	70.5	47.1	58.8
NORTH BENGAL.	Patna	Gaya	29.631	29.903	—0.086	Variable	127	74.9	8th	45.1	11th	72.4	49.9	60.7
	Monghyr	Bankipore	29.671	29.918	—0.065	Wly	81	70.8	8th	43.0	10th	68.0	47.9	58.3
	Sonbhadra Parganas	Naya Dumka	29.636	29.910	—0.063	WNW	68	75.0	14th	43.5	10th	72.4	47.6	60.0
	Hazaribagh	Hazaribagh	27.905	29.923	—0.067	W	194	72.2	13th	43.1	9th	63.3	45.9	57.6
	Lohardaga	Ranchi	27.840	29.911	—0.061	W	131	71.5	8th	44.1	12th	69.8	46.2	58.0
CHOTA NAGPUR.	Singbhum	Chaibassa	29.242	29.969	—0.065	Calm	19	79.8	8th	45.4	11th	77.4	49.7	63.6
	Manbhum	—	—	—	—	—	—	—	—	—	—	—	—	—

\* Mean of 6 days.

**Explanation.—Summary.**—The normal means of air pressure and temperature are the arithmetical average or means of the readings during the same period. The humidity of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The normal mean of the rainfall is the numerical means or average of the rainfall in that district determined from the returns sent in by the subdivisional stations, i.e., from total rainfall at the subdivisional stations in the district, divided by the number of stations. A rainy day is one on

for the week ending Saturday, the 14th of January 1893.

DISTRICT OBSERVATIONS.															DISTRICTS.
Variation from normal mean.	Mean 8 A.M., ten p.m.	Average humidity at 8 A.M.	Average cloud amount at 8 A.M.	Rainfall of week at observing station.	OF WEEK.			RAINFALL.							
					Mean for district.	Normal mean.	Average number of rainy days.	Normal number of rainy days.	Since 1st of month.			Since 16th October 1892.			
									Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.	
-	62.6	81	1	Nil	Nil	0.07	0.00	0.12	Nil	0.10	-0.10	7.20	6.20	+1.00	Puri.
-1.7	61.9	79	0	Nil											
-3.1	61.0	85	0.3	Nil											
-2.8	60.1	72	1.4	Nil	Nil	0.02	0.00	0.02	Nil	0.09	-0.09	6.01	5.91	+0.07	Cuttack.
-1.5	58.2	79	0	Nil	0.04	0.02	0.17	0.05	0.04	0.09	-0.05	0.61	2.75	+3.86	Balasore.
-0.6	57.7	70	0.4	Nil	Nil	0.03	0.00	0.10	Nil	0.19	-0.19	7.93	2.80	+5.13	Midnapore.
-2.7	56.6	87	0	Nil	Nil	0.04	0.00	0.09	Nil	0.16	-0.16	7.12	2.58	+4.54	24-Pargannas.
-3.6	57.6	91	1.1	Nil											
					Nil	0.09	0.00	0.09	Nil	0.17	-0.17	3.58	1.96	+1.62	
					Nil	0.05	0.01	0.11	Nil	0.13	-0.13	7.14	1.73	+5.41	Howrah.
-2.2	55.5	84	0.4	Nil	Nil	0.15	0.00	0.13	Nil	0.09	-0.09	4.24	1.67	+2.57	Nadia.
					Nil	0.09	0.04	0.14	Nil	0.18	-0.18	6.02	2.52	+3.50	Khulna.
-3.0	56.2	89	1.0	Nil	Nil	0.07	0.00	0.15	Nil	0.13	-0.13	9.19	3.08	+6.11	
-2.9	55.3	71	0.4	Nil	Nil	0.14	0.00	0.14	Nil	0.09	-0.09	4.49	1.54	+2.95	Burdwan.
-2.5	56.4	69	0	Nil											
-0.6	58.1	73	0.0	0.02	0.10	0.03	0.25	0.07	0.10	0.08	+0.02	4.54	1.68	+2.87	Bankura.
					0.01	0.07	0.00	0.24	0.22	0.23	-0.01	3.24	1.19	+2.05	
-2.5	54.1	92	0.3	Nil	Nil	0.08	0.00	0.23	0.01	0.23	-0.22	1.86	1.12	+0.74	Murshidabad.
-1.8	54.1	93	0.1	Nil	Nil	0.11	0.00	0.24	Nil	0.19	-0.18	1.11	1.66	-0.55	Pabna.
-3.5	54.2	86	0.7	Nil	0.03	0.06	0.25	0.24	0.06	0.20	-0.14	6.98	1.27	-0.83	Bogra.
-1.8	56.1	67	0.7	Nil	Nil	0.09	0.00	0.21	0.09	0.23	-0.14	0.61	1.33	-0.72	Rajshahi.
-	53.3	86	1.4	0.06	0.08	0.11	0.50	0.23	0.12	0.25	-0.13	0.91	1.48	-0.57	Malda.
-2.1	54.3	87	1.7	0.24	0.12	0.16	0.50	0.19	0.33	0.25	+0.10	0.78	0.99	-0.21	Dinajpur.
-3.4	52.2	91	0.3	0.43	0.13	0.12	0.53	0.18	0.36	0.26	+0.10	1.46	1.49	+0.03	Itanagar.
-2.6	53.2	92	4.9	0.08	0.03	0.12	0.00	0.11	0.09	0.29	-0.11	1.23	2.45	-1.23	Jalainigri.
					0.16	0.14	1.00	0.19	0.17	0.17	0	1.05	1.17	-0.12	
-4.7	35.0	85	5.3	0.03	0.10	0.23	0.50	0.32	0.14	0.33	-0.19	3.53	2.57	+0.96	Darjeeling.
-	27.8	73	0.6	0.28											Sikkim.
-1.0	58.9	89	0.1	Nil	Nil	0.24	0.00	0.30	Nil	0.29	-0.29	12.78	5.16	+7.62	
															Chittagong.
					Nil	0.13	0.00	0.29	Nil	0.18	-0.18	6.67	4.43	+2.24	Chittagong Hill.
-0.2	57.8	87	0	Nil	Nil	0.07	0.00	0.18	Nil	0.15	-0.15	7.85	5.70	+2.15	Bandarban.
-2.8	57.5	69	0	Nil	Nil	0.04	0.00	0.09	Nil	0.23	-0.22	15.42	5.01	+10.41	Noakhali.
-0.7	58.1	90	1.4	Nil	Nil	0.06	0.01	0.10	Nil	0.13	-0.13	7.23	1.67	+5.56	Paripur.
-2.3	56.1	87	1.3	Nil	Nil	0.00	0.00	0.12	Nil	0.11	-0.11	8.76	2.33	+6.43	Dacca.
-1.7	57.3	87	0	Nil	Nil	0.10	0.00	0.19	Nil	0.23	-0.23	8.37	2.53	+5.84	Tippera.
-2.1	53.7	93	0.6	drops	Nil	0.06	0.00	0.19	Nil	0.15	-0.15	2.86	1.96	+0.90	Myuensiagh.
-2.2	49.2	90	0.7	0.09	0.03	0.17	0.00	0.26	0.28	0.30	+0.02	0.30	1.53	-1.23	Purnea.
-2.2	52.8	83	1.4	Nil	Nil	0.16	0.00	0.33	0.28	0.25	+0.03	0.61	1.33	-0.41	Bhagalpur.
-1.6	53.7	89	1.6	Nil	Nil	0.14	0.00	0.23	0.51	0.24	+0.23	0.63	1.16	-0.63	Darbhanga.
-	51.0	93	0.4	Nil	Nil	0.14	0.00	0.23	0.30	0.21	+0.01	0.34	1.31	-0.07	Muzaffarpur.
-1.6	50.8	92	0	Nil	Nil	0.15	0.00	0.21	0.10	0.37	-0.21	0.10	0.84	-0.74	Chhapara.
-2.3	50.8	92	0	Nil	Nil	0.13	0.00	0.39	0.31	0.25	+0.03	0.31	1.19	-0.83	Saran.
-	54.9	91	0	Nil											Shahabad.
-2.6	53.2	81	0.3	Nil	Nil	0.14	0.00	0.37	0.36	0.36	0	0.76	1.76	-1.00	
-1.8	51.2	87	0.1	Nil											
-2.2	52.1	80	0.0	Nil	Nil	0.15	0.00	0.31	0.10	0.31	-0.21	0.63	1.33	-0.72	Gaya.
-2.7	54.5	83	0	Nil	Nil	0.12	0.00	0.20	0.15	0.28	-0.13	0.38	1.63	-1.15	Patna.
					Nil	0.19	0.00	0.26	0.01	0.33	-0.29	1.34	1.54	-0.20	Monohyr.
-2.8	52.1	81	0	Nil	0.01	0.11	0.00	0.23	0.14	0.20	-0.06	1.69	1.34	+0.23	Sonthal Pargannas.
-2.7	52.9	73	1.4	Nil	Nil	0.03	0.00	0.19	0.06	0.23	-0.17	4.93	1.48	+3.45	Hazaribagh.
-2.5	54.3	66	1.4	0.08	0.04	0.17	0.00	0.33	0.18	0.30	-0.12	6.31	2.05	+4.26	Jehanabaga.
-1.9	53.6	80	1.3	Nil	Nil	0.19	0.00	0.37	0.31	0.31	-0.09	0.60	1.83	-1.17	Palamau.
					0.08	0.00	0.50	0.39	0.08	0.23	-0.15	3.11	1.46	+1.65	Singbhum.

for the last ten years. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. The numbers denoting cloud amount represents the part of the sky covered the whole sky being denoted by 10. Under the head District observations of for the period in question during the past ten years. The means of the district are the numerical average of the rainfall returned received in the which at least a tenth of an inch fell.

## Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 14th of January 1893.

Meteorological Division.	District.	Station.	RAINFALL.							Total number of rainy days.	Rainfall of week.	Average rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 1st of October 1892.	Average rainfall from 1st of October to date.
			Sunday, 9th.	Monday, 9th.	Tuesday, 10th.	Wednesday, 11th.	Thursday, 12th.	Friday, 13th.	Saturday, 14th.							
ORISSA	Puri	Puri	...	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.08	10.05	6.91
		Khurda	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.11	4.72	4.67
		Bampur	...	0.01	...	...	...	...	...	Nil	Nil	0.01	Nil	Nil	5.80	5.93
		Pulse Point	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.20	8.24	5.93
		Gop	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	8.00	7.28
		Saipara	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	7.88	...
		Pipli	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	5.08	...
	Cuttack	Jagatsinghpore	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.11	8.40	3.45
		Barki	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.06	3.06	...
		Cuttack	...	...	...	...	...	...	...	Nil	Nil	...	Nil	0.03	8.10	4.07
		Kondrapara	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.11	6.01	4.03
		Jajpur	...	...	...	...	...	...	...	Nil	Nil	...	Nil	0.07	3.42	4.21
		Dharmasala	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	3.65	3.46
	Balasore	Salipore	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	5.18	...
		Pal Lahara	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	2.83	...
		Akhyapada	...	0.21	...	...	...	...	...	1	0.21	...	0.21	...	3.10	...
		Chandhal	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	4.71	...
		Bhadrak	...	0.21	...	...	...	...	...	1	0.21	...	0.21	...	6.16	3.86
		Soru	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.10	6.48	2.80
SOUTH-WEST BENGAL.	Midnapore	Balasore	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.10	10.02	2.76
		Jalaspore	...	...	...	...	...	...	...	Nil	Nil	...	Nil	0.10	4.33	3.61
		Baripodah	...	...	...	...	...	...	...	Nil	Nil	...	Nil	0.08	7.80	1.51
		Contai	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.10	10.24	1.00
		Tamluk	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.15	5.33	4.09
		Midnapore	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.30	7.82	2.63
	24-Parganas	Chital	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.10	4.20	2.48
		Kakrahaty	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	3.51	1.08
		Garhbeta	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	9.31	...
		Saugor Island	...	...	...	...	...	...	...	Nil	Nil	0.02	Nil	0.13	14.06	...
		Diamond Harbour	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	...	5.01
		Canning Town	...	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.19	6.03	2.09
	Howrah	Alipore Observatory	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	9.34	...
		Barraclough	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.18	4.85	2.63
		Dum-Dum	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.10	7.70	1.83
		Barasat	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.17	3.78	2.67
		Basirhat	...	...	...	...	...	...	...	Nil	Nil	0.02	Nil	0.14	6.18	2.00
		Howrah	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.13	6.40	1.96
	Hooghly	Mohoreka	...	...	...	...	...	...	...	Nil	Nil	0.07	Nil	0.17	8.09	2.23
		Mukaria	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.17	4.02	1.63
		Serampore	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.13	8.93	...
		Hooghly	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.16	7.91	1.74
		Jahannabad	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.07	4.97	1.41
		Nadia	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.13	6.96	1.65
	Khulna	Ramkhat	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.07	5.96	1.86
		Krishnakar	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.03	5.96	1.26
		Choudanka	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.03	...	1.91
		Meherpore	...	...	...	...	...	...	...	Nil	Nil	0.01	Nil	0.01	2.00	1.56
		Kushtia	...	...	...	...	...	...	...	Nil	Nil	0.02	Nil	0.06	2.03	1.73
		Bakhtia	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.14	4.04	2.40
	Jessore	Bagerhat	...	...	...	...	...	...	...	Nil	Nil	0.02	Nil	0.18	8.05	2.44
		Khulna	...	...	...	...	...	...	...	Nil	Nil	...	Nil	0.20	7.20	2.64
		Nakipur	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	5.44	...
		Rampal	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	6.06	...
		Narail	...	...	...	...	...	...	...	Nil	Nil	0.13	Nil	0.20	9.10	...
		Jessore	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.15	13.72	2.57
	Burdwan	Dhondah	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.15	8.37	2.34
		Maugura	...	...	...	...	...	...	...	Nil	Nil	0.02	Nil	0.05	7.00	1.97
		Bangan	...	...	...	...	...	...	...	Nil	Nil	...	Nil	0.18	7.48	1.67
		Kalna	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.10	7.30	2.00
		Burdwan	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.06	6.06	1.63
		Katwa	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.11	5.81	1.03
	Hankura	Ramganj	...	...	...	...	...	...	...	Nil	Nil	0.02	Nil	0.09	5.81	1.07
		Mankur	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	1.60	1.20
		Bankura	0.02	...	...	...	...	...	...	Nil	0.02	0.03	0.02	0.06	4.52	1.68
		Ushampur	0.03	...	...	...	...	...	...	Nil	0.03	Nil	0.05	0.06	6.16	1.63
		Sishara	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.10	1.63	1.24
		Khetra	0.03	...	...	...	...	...	...	Nil	0.03	0.01	0.03	0.11	6.02	2.11
	Birbhum	Takes	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	5.42	...
		Kotalpur	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	3.52	...
		Onda	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	4.80	...
		Gangajalghati	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	1.80	...
		Krupur	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	6.96	...
		Sonamukhi	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	6.31	...
	Murshidabad	Nuri	0.04	...	...	...	...	...	...	Nil	0.04	0.05	...	0.19	1.30	1.46
		Hetampore	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.24	4.60	0.80
		Rampur Hat	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.22	5.50	1.21
		Kolpur	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	2.35	...
		Marari	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	0.07	...
		Kandi	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.25	2.41	1.32
	Farma	Berhampore	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.25	1.50	1.21
		Lalbugh	...	...	...	...	...	...	...	Nil	Nil	0.09	Nil	0.13	3.04	0.72
		Azimganj	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.20	1.61	1.18
		Jangipur	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.07	1.37	1.01
		Lakola	...	...	...	...	...	...	...	Nil	Nil	0.07	Nil	0.30	1.16	1.11
		Akhriganj	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	0.06	...
	Bajahahi	Patkabari	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	2.80	...
		Naor	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.13	1.95	1.46
		Sirajganj	...	...	...	...	...	...	...	Nil	Nil	0.15	Nil	0.22	0.27	1.50
		Sherepore	...	...	...	...	...	...	...	Nil	Nil	0.13	Nil	0.24	0.78	1.67
		Nowkhilla	...	...	...	...	...	...	...	Nil	Nil	0.04	Nil	0.20	1.18	1.26
		Bozra	...	...	...	...	...	...	...	Nil	Nil	0.07	Nil	0.15	0.01	1.46
	Bajahahi	Panchbibi	0.11	...	...	...	...	...	...	1	0.11	0.07	0.04	0.15	1.02	0.06
		Boalia	...	...	...	...	...	...	...	Nil	Nil	0.05	0.03	0.17	1.24	1.30
		Nator	...	...	...	...	...	...	...	Nil	Nil	0.04	0.02	0.24	0.30	1.62
		Nasgaon	...	...	...	...	...	...	...	Nil	Nil	0.17	0.29	0.33	0.23	1.06
		Lalpara	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	0.28	...
		Manda	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	0.19	...

## Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 14th of January 1893—contd.

Meteorological Division.	District.	Station.	RAINFALL.							Total number of rainy days.	Rainfall of week.	Average rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1892.	Average rainfall from 16th Oct. to date.
			Sunday, 8th.	Monday, 9th.	Tuesday, 10th.	Wednesday, 11th.	Thursday, 12th.	Friday, 13th.	Saturday, 14th.							
NORTH-BEN- GAL—contd.	Malda	Malda	0.08	...	...	...	...	...	...	Nil	0.06	0.06	0.07	0.20	1.39	1.73
		Chanchal	0.10	...	...	...	...	...	...	1	0.10	0.10	0.10	0.31	0.43	1.17
		Gajol	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.34	?
	Dinajpur	Sibganj	...	...	...	...	...	...	...	Nil	Nil	?	0.16	?	0.75	?
		Mohadehpore	...	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.25	0.51	0.60
		Churama	0.23	...	...	...	...	...	...	1	0.25	0.23	0.31	0.25	0.60	0.68
		Raiganj	...	...	...	...	...	...	...	Nil	Nil	0.23	0.24	0.70	1.35	0.72
		Dinajpur	0.21	...	...	...	...	...	...	1	0.21	0.14	0.44	0.21	0.72	2.10
	Rangpur	Halurhat	...	...	...	...	...	...	...	Nil	Nil	0.12	?	0.17	0.53	0.71
		Thakurgaon	...	...	...	...	...	...	...	Nil	Nil	?	0.21	?	0.21	?
		Bhawaniganj	...	...	...	...	...	...	...	Nil	Nil	0.02	0.05	0.15	0.58	1.02
		(Gyabanda)	...	...	...	...	...	...	...	1	0.43	0.14	0.40	0.27	3.72	1.57
		Rangpur	0.43	...	...	...	...	...	...	Nil	Nil	0.15	0.22	0.30	0.43	1.24
	Jalpaiguri	Kuriganj	...	...	...	...	...	...	...	1	0.18	0.16	0.37	0.33	1.10	1.00
		Haga-gra	0.18	...	...	...	...	...	...	1	0.20	?	0.30	?	0.30	?
		(Nisphamari)	0.20	...	...	...	...	...	...	Nil	0.05	0.12	0.00	0.20	1.22	2.45
		Ulipora	...	...	...	...	...	...	...	1	0.13	?	0.13	?	1.24	?
		Jalpaiguri	0.05	...	...	...	...	...	...	Nil	Nil	?	0.20	?	0.80	?
	Kuch Bihar	Alipore Doar	0.13	...	...	...	...	...	...	1	0.34	?	0.57	?	6.75	?
		Pallacotta	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?	?
		Debiganj	...	...	...	...	...	...	...	1	0.21	0.10	0.21	0.18	1.41	1.37
		Bhagatpore	0.13	0.21	...	...	...	...	...	1	0.21	0.14	0.21	0.14	1.03	1.14
		(Nagabhatia)	...	...	...	...	...	...	...	1	0.10	0.14	0.12	0.16	1.15	0.95
	Darjeeling	Dinhat	0.12	...	...	...	...	...	...	1	0.12	0.17	0.13	0.20	0.57	1.14
		Kuch Bihar	0.21	...	...	...	...	...	...	1	0.21	0.10	0.21	0.18	1.41	1.37
		Mickiganj	0.21	...	...	...	...	...	...	1	0.21	0.14	0.21	0.14	1.03	1.14
		Matlabhanga	0.10	...	...	...	...	...	...	1	0.10	0.14	0.12	0.16	1.15	0.95
		Buz	...	0.23	...	...	...	...	...	1	0.23	0.23	0.25	0.55	0.00	4.00
EAST BENGAL	Chittagong	Nilguri	0.14	...	...	...	...	...	...	1	0.14	0.22	0.14	0.23	2.00	1.01
		Darjeeling	...	...	...	...	...	...	...	Nil	Nil	0.14	0.06	0.22	0.28	4.02
		Kahmping	0.15	0.04	...	...	...	...	...	1	0.10	0.26	0.27	0.20	1.73	1.15
		Kuraong	0.20	...	...	...	...	...	...	1	0.20	?	0.20	?	2.16	?
		Cox's Bazar	...	...	...	...	...	...	...	Nil	Nil	0.17	Nil	0.24	13.05	6.21
	Chittagong Hill Tracts.	Chittagong	...	...	...	...	...	...	...	Nil	Nil	0.20	Nil	0.32	12.50	6.06
		Katubdia	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	12.13	?
		Saikunya	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	8.81	?
		Rangmati	...	...	...	...	...	...	...	Nil	Nil	0.13	Nil	0.18	6.01	4.43
		Bundarban	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	8.70	?
	Backergunge	Patnakhali	...	...	...	...	...	...	...	Nil	Nil	0.07	Nil	0.12	7.94	4.16
		Pirojpur	...	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.21	7.86	3.41
		Barisal	...	...	...	...	...	...	...	Nil	Nil	0.12	Nil	0.21	7.33	3.40
		Gournadit	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	5.83	?
		Dhola	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.03	6.18	3.46
	Noakhali	Dauatkhali	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	11.90	?
		Banphal	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	5.40	?
		Noakhali	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.23	16.19	4.33
		Fenny	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	14.66	5.65
		Harishpore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	10.40	?
	Faridpur	Ranganj	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	10.43	?
		Madaripur	...	...	...	...	...	...	...	Nil	Nil	0.10	Nil	0.22	0.00	1.65
		Faridpur	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.06	10.70	1.69
		Gaulondo	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.10	4.92	1.56
		Dacca	...	...	...	...	...	...	...	Nil	Nil	0.07	Nil	0.13	7.00	2.82
	Hill Tippera	Munshiganj	...	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.10	11.51	1.75
		Dacca	...	...	...	...	...	...	...	Nil	Nil	0.06	Nil	0.11	10.00	3.41
		Naryanganj	...	...	...	...	...	...	...	Nil	Nil	0.05	Nil	0.11	6.43	1.53
		Maulanganj	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3.00	?
		Joydebpore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
	Mymensingh	Arartola	...	...	...	...	...	...	...	Nil	Nil	0.14	Nil	0.23	6.61	2.96
		Comilla	...	...	...	...	...	...	...	Nil	Nil	0.14	Nil	0.23	8.70	3.73
		Chandpore	...	...	...	...	...	...	...	Nil	Nil	0.13	Nil	0.00	7.15	1.94
		Brahmanbaria	...	...	...	...	...	...	...	Nil	Nil	?	Nil	0.33	10.37	2.40
		Ramchandrapore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	7.07	?
	Purba	Nasirnagar	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	10.47	?
		Bandkandi	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	4.45	?
		Kasba	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	12.31	?
		Laksham	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	8.56	?
		Kishanganj	...	...	...	...	...	...	...	Nil	Nil	0.13	Nil	0.29	5.94	2.90
SOUTH BENGAL	Purba	Aila (Tungab)	...	...	...	...	...	...	...	Nil	Nil	0.09	Nil	0.14	2.76	1.50
		Mymensingh	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0.10	0.01	2.01
		Jamalgur	...	...	...	...	...	...	...	Nil	Nil	0.09	Nil	0.17	1.74	1.77
		Netrakona	...	...	...	...	...	...	...	Nil	Nil	0.03	Nil	0.06	3.27	3.46
		Subornakhally	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.41	?
	Bhagalpur	Thergapore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1.64	?
		Sherepore Town	0.06	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3.32	?
		Deodanganj	...	...	...	...	...	...	...	Nil	0.08	?	0.06	?	0.78	?
		...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
	Bhagalpur	Kishanganj	...	...	...	...	...	...	...	Nil	Nil	0.13	0.24	0.24	0.28	1.43
		Araria	...	...	...	...	...	...	...	Nil	Nil	0.16	0.09	0.20	0.09	1.25
		Purba	0.30	...	...	...	...	...	...	Nil	0.09	0.21	0.52	0.24	0.45	1.53
		Gondwara (Korak)	0.03	...	...	...	...	...	...	Nil	0.03	?	0.30	?	0.30	?
		Harona	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Bhagalpur	Purbaganj	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Kataganj	0.08	...	...	...	...	...	...	Nil	Nil	?	0.11	?	0.00	?
		Madhipura	...	...	...	...	...	...	...	Nil	Nil	0.05	?	0.05	?	?
		Bongam (Nijabad)	...	...	...	...	...	...	...	Nil	Nil	0.19	?	0.35	0.35	1.37
		...	...	...	...	...	...	...	...	Nil	Nil	?	0.60	?	0.60	?
	Bhagalpur	Sapaul	...	...	...	...	...	...	...	Nil	Nil	0.16	0.37	0.23	0.67	1.13
		Prothaganj	...	...	...	...	...	...	...	Nil	Nil	?	0.16	?	0.16	?
		Bhagalpur	...	...	...	...	...	...	...	Nil	Nil	0.15	0.04	0.25	0.53	1.36
		Hanka	...	...	...	...	...	...	...	Nil	Nil	0.15	0.07	0.27	1.08	1.44
		Colganj	...	...	...	...	...	...	...	Nil	Nil	?	0.40	?	1.94	?
	Bhagalpur	Tajpur	...	...	...	...	...	...	...	Nil	Nil	0.12	0.22	0.31	0.23	1.35
		Darbhanga	...	...	...	...	...	...	...	Nil	Nil	0.13	0.37	0.20	0.09	1.17
		Madhubani	...	...	...	...	...	...	...	Nil	Nil	0.18	0.53	0.30	0.63	1.13
		Bahera	...	...	...	...	...	...	...	Nil	Nil	?	0.50	?	0.50	?
		Bahera	...	...	...	...	...	...	...	Nil	Nil	?	0.50	?	0.50	?



## Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 14th of January 1893—conold

Meteorological Division.	District.	Station.	RAINFALL.							Total number of rainy days.	Rainfall of week.	Average rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1892.	Average rainfall from 16th Oct. to date.
			Sunday, 8th.	Monday, 9th.	Tuesday, 10th.	Wednesday, 11th.	Thursday, 12th.	Friday, 13th.	Saturday, 14th.							
NORTH RHAR —concluded.	Muzaffarpur...	Sitamarhi ...	...	...	...	...	...	...	...	Nil	Nil	0.12	0.15	0.23	0.15	0.96
		Muzaffarpur ...	...	...	...	...	...	...	...	Nil	Nil	0.15	0.25	0.30	0.50	1.90
		Hajipur ...	...	...	...	...	...	...	...	Nil	Nil	0.12	0.20	0.33	0.33	1.13
		Para ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?	?
		Mahua ...	...	...	...	...	...	...	...	Nil	Nil	?	0.23	?	?	?
		Sikhar ...	...	...	...	...	...	...	...	Nil	Nil	?	0.10	?	0.10	?
		Pupri ...	...	...	...	...	...	...	...	Nil	Nil	?	0.35	?	0.35	?
	Champan ...	Motihari ...	...	...	...	...	...	...	...	Nil	Nil	0.17	0.15	0.33	0.15	0.87
		Bettiah ...	...	...	...	...	...	...	...	Nil	Nil	0.13	0.04	0.25	0.04	0.78
		Ragaha ...	...	...	...	...	...	...	...	Nil	Nil	?	0.19	?	0.25	?
	Saran ...	Burharwa ...	...	...	...	...	...	...	...	Nil	Nil	?	0.12	?	0.12	?
		Gopalganj ...	...	...	...	...	...	...	...	Nil	Nil	0.13	0.25	0.14	0.25	0.54
		Nawan ...	...	...	...	...	...	...	...	Nil	Nil	0.16	0.44	0.40	0.41	1.02
SOUTH RHAR	Shahabad ...	Chapra ...	...	...	...	...	...	...	...	Nil	Nil	0.12	0.23	0.30	0.32	1.45
		Buxar ...	...	...	...	...	...	...	...	Nil	Nil	0.13	0.25	0.44	0.25	1.74
		Dehri ...	...	...	...	...	...	...	...	Nil	Nil	0.23	0.47	0.29	0.53	1.77
		Rhabhua ...	...	...	...	...	...	...	...	Nil	Nil	0.11	0.37	0.43	0.68	2.00
		Samaran ...	...	...	...	...	...	...	...	Nil	Nil	0.13	0.40	0.29	0.63	1.70
		Arrah ...	...	...	...	...	...	...	...	Nil	Nil	0.09	0.25	0.31	0.66	1.43
		Mohaua ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Khari ...	...	...	...	...	...	...	...	Nil	Nil	?	0.20	?	0.20	?
		Agaoan ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Kamagar ...	...	...	...	...	...	...	...	Nil	Nil	?	0.25	?	0.25	?
		Koath ...	...	...	...	...	...	...	...	Nil	Nil	?	0.05	?	?	?
		Sikrool ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1.17	?
	Gaya ...	Bassowan ...	...	...	...	...	...	...	...	Nil	Nil	?	0.11	?	Nil	?
		Munaherpur ...	...	...	...	...	...	...	...	Nil	Nil	?	0.31	?	1.28	?
		Aurangabad ...	...	...	...	...	...	...	...	Nil	Nil	0.19	0.25	0.29	1.02	1.17
		Gaya ...	...	...	...	...	...	...	...	Nil	Nil	0.14	0.04	0.25	0.43	1.47
		Nawadah ...	...	...	...	...	...	...	...	Nil	Nil	0.15	0.02	0.31	0.85	1.35
		Jamnabad ...	...	...	...	...	...	...	...	Nil	Nil	0.12	0.08	0.38	0.34	1.37
		Arwal ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Daudnagar ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.30	?
		Sherghati ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Rajauli ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.30	?
		Pakri Barawan ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	2.01	?
		Patna ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.42	?
	Patna ...	Patna ...	...	...	...	...	...	...	...	Nil	Nil	0.00	0.22	0.27	0.30	1.51
		Dumapore ...	...	...	...	...	...	...	...	Nil	Nil	0.10	0.23	0.28	0.25	1.44
		Bihar ...	...	...	...	...	...	...	...	Nil	Nil	0.18	0.12	0.30	1.54	?
		Harh ...	...	...	...	...	...	...	...	Nil	Nil	0.12	0.05	0.23	0.50	1.58
		Bakram ...	...	...	...	...	...	...	...	Nil	Nil	?	0.08	?	0.28	?
	Monghyr ...	Mitoo ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.27	?
		Bogusrai ...	...	...	...	...	...	...	...	Nil	Nil	0.21	Nil	0.33	1.20	1.91
		Monghyr ...	...	...	...	...	...	...	...	Nil	Nil	0.15	Nil	0.3	0.05	1.80
		Jamui ...	...	...	...	...	...	...	...	Nil	Nil	0.22	0.03	0.30	0.87	1.26
		Gopri ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.57	?
	Monghyr ...	Shaikpura ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1.20	?
		Chahai Bamsa ...	...	...	...	...	...	...	...	Nil	Nil	?	0.10	?	1.33	?
	Monghyr ...	Bajmahal ...	0.07	...	...	...	...	...	...	Nil	0.07	0.07	Nil	0.08	0.75	1.14
		Godda ...	...	...	...	...	...	...	...	Nil	Nil	0.12	0.32	0.16	0.80	1.90
		Pakour ...	...	...	...	...	...	...	...	Nil	Nil	0.14	0.12	0.18	0.20	0.97
		Naya Dumka ...	...	...	...	...	...	...	...	Nil	Nil	0.13	0.08	0.37	1.63	?
		Deoghur ...	...	...	...	...	...	...	...	Nil	Nil	0.14	0.23	0.24	0.73	1.06
		Jamsara ...	...	...	...	...	...	...	...	Nil	Nil	0.08	Nil	0.18	1.80	?
		Balabadda ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	2.19	1.49
	Hazaribagh ...	Namhat ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.12	?
		Pachamba ...	...	...	...	...	...	...	...	Nil	Nil	0.05	0.13	0.10	3.20	1.41
		(Giridih) ...	...	...	...	...	...	...	...	Nil	Nil	0.11	0.13	0.25	2.80	1.68
		Hazaribagh ...	...	...	...	...	...	...	...	Nil	Nil	0.01	0.05	0.31	3.72	1.27
		Sontagarwan ...	...	...	...	...	...	...	...	Nil	Nil	0.17	Nil	0.30	0.05	1.41
		Mahadi Hills ...	...	...	...	...	...	...	...	Nil	Nil	0.02	Nil	0.18	8.30	1.58
		Jhumra Hill ...	...	...	...	...	...	...	...	Nil	Nil	?	0.14	?	1.38	?
CHOTA NAGPUR.	Hazaribagh ...	Parhi ...	...	...	...	...	...	...	...	Nil	Nil	?	0.09	?	1.54	?
		Chutra ...	...	...	...	...	...	...	...	Nil	Nil	?	0.17	?	1.34	?
		Karagdeha ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3.37	?
		Kamgar ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
	Lohardaga ...	Lohardaga ...	0.06	...	...	...	...	...	...	Nil	Nil	0.08	0.23	0.33	0.05	2.35
		Ranchi ...	...	...	...	...	...	...	...	Nil	Nil	?	0.08	0.27	0.01	1.74
		Silli ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3.26	?
	Palamau ...	Palamau (Daltonganj) ...	...	...	...	...	...	...	...	Nil	Nil	0.19	0.00	0.30	0.86	1.88
		Jusumath ...	...	...	...	...	...	...	...	Nil	Nil	?	0.05	?	3.04	?
		Jusumath ...	...	...	...	...	...	...	...	Nil	Nil	?	0.39	?	1.21	?
		Garhua ...	...	...	...	...	...	...	...	Nil	Nil	?	0.08	?	1.41	?
	Ranchibhumi ...	Chaubassa ...	...	...	...	...	...	...	...	Nil	Nil	0.11	Nil	0.26	0.00	2.08
		Chakardharpur ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0.07	?
		Chalsila ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	4.15	?
		Beharagura ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	4.35	?
	Manbhan ...	Purulia ...	0.15	...	...	...	...	...	...	1	0.15	0.10	0.15	0.10	4.80	1.28
		Gobindpur ...	...	...	...	...	...	...	...	Nil	Nil	0.07	0.01	0.20	1.71	1.28
		Kashinathpore ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1.80	?
		Burakabum ...	...	...	...	...	...	...	...	Nil	Nil	?	0.07	?	5.24	?
		Jhalda ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1.88	?
		Chas ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	2.61	?
		Pandra ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1.98	?
		...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?

Explanation.—... indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0.1 inch of rain has fallen.

CALCUTTA, the 17th January 1893.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS  
TAKEN IN BENGAL FOR THE WEEK ENDING 8 A.M., SATURDAY,  
THE 14TH OF JANUARY 1893.

At the close of the previous week the weather conditions in Bengal had become slightly disturbed, and on the 7th the distribution of barometric pressure over Bengal was distinctly abnormal, the sky had clouded over rather rapidly in the north and west of the province, and fairly general rain was reported in Bihar and North Bengal, while showers had also occurred in parts of South-West Bengal and Chota Nagur. On the 8th, or the first day of the present week, pressure rose at almost all stations, the increase being rapid in the western districts and small in East and North Bengal, and though pressure was still below the normal, the distribution was much less irregular than it had been on the previous day. Skies also began to clear, and the only general rainfall reported was in and near the hills of North Bengal, while also a few isolated showers of little or no importance fell in other districts. Temperature over the greater part of the province, however, except at the north-eastern stations, continued rather largely in excess of the normal. Winds also generally on this day had become of the normal north-westerly character. On the 9th the barometric changes were small, and pressure had become in slight excess in South Bengal, while it was in moderate excess over the north and centre of the province. A wave of low temperature following after the disappearance of the low pressure area, however, commenced to make itself felt on the 9th in the west of the province, where at some stations the mean temperature became from 3° to 5° below the normal, though over the remainder of the province the defects were small. On the 10th the pressure changes were unimportant, but the wave of low temperature had spread over the whole province, and the general temperature became about 4° to 6° below the normal of the day. The general changes on the 11th were rather unimportant, but on the 12th a rapid fall of pressure occurred which ranged from a twentieth to nearly a tenth of an inch, and pressure became in defect of the normal by nearly 0.01" over a large part of the province. With the falling pressure temperature commenced to rise, and the defect from the normal on the 12th only equalled from 2° to 4°. On the 13th a further fall of pressure and slow increase in temperature occurred, and on this day pressure was about 0.013" below the normal, and temperature was still 2° to 3° in defect. On the 14th, or the last day of the week, a further slight decrease of pressure had occurred, and temperature had again risen and was only 1° to 2° in defect of the normal.

It will therefore be seen that the strongly pronounced cold weather conditions, which established themselves after the disappearance of the barometric depression and the consequent disturbed weather which had existed at the close of the previous week, have been slowly but steadily changing. Temperature rose steadily during the second half of the week, and pressure fell moderately to rapidly, and with the unusually low pressure which existed at the close of the week, conditions were again becoming abnormal and pointed to the probable commencement of slightly disturbed weather, while the unusually low temperature had also to a great extent disappeared, and conditions were favourable for increasing temperature.

*Pressure.*—The mean pressure for the week has been in very considerable defect of the normal. This defect has generally equalled from 0.05" to 0.07", and has been tolerably equally distributed except at some of the northern stations such as Rangpur, Jalpaiguri, and Darjeeling, where defects exceeding 0.08" have been recorded.

*Temperature.*—The general features of the temperature changes have been already described, and the mean temperature of the province for the week has been in defect of the normal by 2.2°. This defect has been spread very evenly over the province, and in all divisions the defect has slightly exceeded 2° except in East Bengal, where it has only equalled 1.4°.

The distribution of temperature for the week in the province generally and its variation from the normal value are clearly seen in the table below, where the average maximum, minimum and mean temperatures at nine typical stations in different districts of the province are compared with their normal values for the period. Both day and night temperatures, it will be seen, have been very decidedly in defect of the normal:—

Table showing the excess or defect of the actual mean temperature from the normal for the week ending 14th January 1893.

	Normal mean maximum temperature for the week ending 14th January.	Actual mean maximum temperature for the week ending 14th January 1893.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 14th January.	Actual mean minimum temperature for the week ending 14th January 1893.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 14th January.	Actual mean daily temperature for the week ending 14th January 1893.	Variation of actual mean from the normal.
Outlook	84.1	79.0	-4.2	59.6	55.7	-3.9	71.9	67.4	-4.5
Calcutta	76.4	74.0	-2.4	55.0	51.5	-3.5	65.7	63.0	-2.7
Dacca	77.7	75.1	-2.6	54.5	53.5	-1.0	66.2	63.4	-2.8
Burdwan	77.9	75.3	-2.6	54.8	51.0	-3.8	66.3	63.4	-2.9
Patna	72.3	68.0	-4.3	49.6	47.0	-2.6	60.9	58.3	-2.6
Gaye	75.3	73.4	-1.9	50.6	49.0	-1.6	62.9	60.3	-2.6
Purum	74.7	70.9	-3.8	48.1	47.6	-0.5	61.4	59.3	-2.1
Hazariabad	73.3	69.3	-4.0	50.3	45.9	-4.3	61.1	57.6	-3.5
Darjeeling	46.3	46.8	+0.5	36.1	33.4	-2.7	41.2	36.0	-5.2

*Rainfall.*—The amounts of rain which have fallen during the week have been exceedingly small, and in no division does the fall average as much as a tenth of an inch. The largest fall indeed has only averaged 0·08 inch in North Bengal, and the falls in Chota Nagpur, Orissa, and South-West Bengal have only equalled one or two-hundredths of an inch. In the case of the smaller districts a few have received as much as a tenth of an inch and upwards, and this has been the case in Bankura, Dinajpur, Rangpur, Kuch Bihar, and Darjeeling.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 14th of January 1893:—

METEOROLOGICAL Divisions.	TEMPERATURE.							RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.				Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th Oct. 1892.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.	Average.		Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.	
Orissa ... ..	83·3	48·4	77·9	55·9	66·9	—2·3	0·01	0·03	—0·02	0·07	0·06	+0·01	0·01	0·09	6·36	4·07	
South-West Bengal ... ..	80·3	44·5	74·8	51·4	63·1	—2·3	0·01	0·05	—0·04	0·02	0·13	—0·11	0·01	0·15	5·57	1·91	
North Bengal ... ..	76·3	44·1	71·6	48·5	60·1	—2·4	0·08	0·12	—0·04	0·40	0·20	+0·20	0·18	0·22	0·99	1·33	
East Bengal ... ..	79·3	46·1	74·6	50·8	63·8	—1·6	Nil	0·08	—0·08	0·00	0·17	—0·17	Nil	0·17	7·96	2·56	
North Bihar ... ..	75·3	40·0	71·0	47·3	59·3	—2·0	Nil	0·15	—0·15	0·00	0·26	—0·26	0·22	0·28	0·46	1·22	
South Bihar ... ..	75·0	43·5	70·6	48·3	59·4	—2·5	Nil	0·14	—0·14	0·00	0·29	—0·29	0·15	0·28	0·95	1·67	
Chota Nagpur ... ..	79·5	43·1	72·3	47·3	60·7	—2·7	0·02	0·11	—0·09	0·09	0·27	—0·18	0·12	0·23	4·19	1·64	

METEOROLOGICAL OFFICE, BENGAL,  
The 17th January 1893.

A. PEDLER,  
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 8th to 14th January 1893.

MONTH.	Date.	Pressure at 10 A.M. corrected and reduced to 32° F.	TEMPERATURE.				HYGROMETRY.					Rainfall at 10 A.M. for Past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1893.		Inches.	.	.	.	.	.	.	Inches.	.	%	Inches.
January ...	8th ...	30·084	68·7	77·9	18·5	59·4	69·6	67·6	·650	66·4	88	Nil
" ...	9th ...	·112	63·4	71·9	17·0	54·9	65·6	58·7	·404	53·0	64	"
" ...	10th ...	·111	61·0	72·9	23·8	49·1	66·6	58·7	·390	52·0	60	"
" ...	11th ...	·071	61·2	73·4	24·5	48·9	65·8	57·7	·373	5·8	59	"
" ...	12th ...	·032	62·1	74·9	25·6	49·3	64·6	59·7	·422	54·2	64	"
" ...	13th ...	29·996	62·5	75·9	26·8	49·1	67·4	59·2	·396	52·4	59	"
" ...	14th ...	·081	65·4	78·9	27·0	51·9	70·6	64·6	·530	60·6	71	"

The mean 10 A.M. pressure of the seven days ... ..	Inches.	30·057
		o
The mean temperature of the seven days ... ..	...	63·5
The extreme variation of temperature ... ..	...	30·0
The maximum temperature ... ..	...	78·9
		%
The mean 10 A.M. relative humidity of the seven days ... ..	...	66
		Inches.
The total fall of rain from 8th to 14th January 1893 ... ..	...	Nil
The daily mean temperatures are the crude means of maximum and minimum temperatures.		

METEOROLOGICAL OFFICE, INDIA,  
The 16th January 1893.

C. LITTLE,  
For Meteorological Reporter to the Govt. of India.

## PUBLIC WORKS DEPARTMENT,—BENGAL.

## IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low-water in the Rivers Ganges, Bhagirathi, Jalangi, and Brahmaputra, for the month of December 1892.

DATE.	RIVER GANGES.										RIVER BHAGIRATHI.	RIVER JALANGI.	RIVER BRAHMAPUTRA.
	Mirzapur.	Benares.	Ruzar.	Dinapore.	Monohr.	Shahganj.	Rampur Boalia.	Goalundo.			Berhampore.	Saropganj.	Gowhatty.
	134	48	80	177	87	287	110	391	91	471	90	691	120
1st	6.17	211.39	2.33	178.13	143.63	3.09	104.03	2.93	70.83	3.23	45.23	4.83	13.77
2nd	5.99	211.22	2.30	177.13	143.33	2.92	104.77	2.83	70.73	3.12	45.13	4.73	13.61
3rd	4.92	211.14	2.26	175.13	143.13	2.83	104.53	2.73	70.63	2.99	45.03	4.63	13.51
4th	4.75	210.97	2.23	173.03	142.83	2.71	104.33	2.67	70.53	2.87	44.83	4.53	13.41
5th	4.67	210.80	2.22	171.97	142.63	2.63	104.13	2.67	70.43	2.73	44.73	4.43	13.31
6th	4.63	210.73	2.23	171.83	142.53	2.58	104.03	2.67	70.33	2.62	44.63	4.33	13.21
7th	4.60	210.63	2.25	171.72	142.43	2.53	103.93	2.67	70.23	2.54	44.53	4.23	13.11
8th	4.42	210.53	2.27	171.63	142.33	2.48	103.83	2.67	70.13	2.48	44.43	4.13	13.01
9th	4.33	210.43	2.29	171.53	142.23	2.43	103.73	2.67	70.03	2.43	44.33	4.03	12.91
10th	4.25	210.33	2.30	171.47	142.13	2.41	103.63	2.67	69.93	2.41	44.23	3.93	12.81
11th	4.17	210.23	2.32	171.33	142.03	2.38	103.53	2.67	69.83	2.38	44.13	3.83	12.71
12th	4.00	210.13	2.33	171.23	141.93	2.33	103.43	2.67	69.73	2.33	44.03	3.73	12.61
13th	3.92	210.03	2.35	171.13	141.83	2.30	103.33	2.67	69.63	2.30	43.93	3.63	12.51
14th	3.83	209.93	2.37	171.03	141.73	2.28	103.23	2.67	69.53	2.28	43.83	3.53	12.41
15th	3.75	209.83	2.38	170.93	141.63	2.25	103.13	2.67	69.43	2.25	43.73	3.43	12.31
16th	3.67	209.73	2.40	170.83	141.53	2.23	103.03	2.67	69.33	2.23	43.63	3.33	12.21
17th	3.59	209.63	2.42	170.73	141.43	2.21	102.93	2.67	69.23	2.21	43.53	3.23	12.11
18th	3.51	209.53	2.44	170.63	141.33	2.19	102.83	2.67	69.13	2.19	43.43	3.13	12.01
19th	3.43	209.43	2.46	170.53	141.23	2.17	102.73	2.67	69.03	2.17	43.33	3.03	11.91
20th	3.35	209.33	2.48	170.43	141.13	2.15	102.63	2.67	68.93	2.15	43.23	2.93	11.81
21st	3.27	209.23	2.50	170.33	141.03	2.13	102.53	2.67	68.83	2.13	43.13	2.83	11.71
22nd	3.19	209.13	2.52	170.23	140.93	2.11	102.43	2.67	68.73	2.11	43.03	2.73	11.61
23rd	3.11	209.03	2.54	170.13	140.83	2.09	102.33	2.67	68.63	2.09	42.93	2.63	11.51
24th	3.03	208.93	2.56	170.03	140.73	2.07	102.23	2.67	68.53	2.07	42.83	2.53	11.41
25th	2.95	208.83	2.58	169.93	140.63	2.05	102.13	2.67	68.43	2.05	42.73	2.43	11.31
26th	2.87	208.73	2.60	169.83	140.53	2.03	102.03	2.67	68.33	2.03	42.63	2.33	11.21
27th	2.79	208.63	2.62	169.73	140.43	2.01	101.93	2.67	68.23	2.01	42.53	2.23	11.11
28th	2.71	208.53	2.64	169.63	140.33	1.99	101.83	2.67	68.13	1.99	42.43	2.13	11.01
29th	2.63	208.43	2.66	169.53	140.23	1.97	101.73	2.67	68.03	1.97	42.33	2.03	10.91
30th	2.55	208.33	2.68	169.43	140.13	1.95	101.63	2.67	67.93	1.95	42.23	1.93	10.81
31st	2.47	208.23	2.70	169.33	140.03	1.93	101.53	2.67	67.83	1.93	42.13	1.83	10.71

CALCUTTA,

The 16th January 1893.

G. C. MACONOHY,

Under-Secy. to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

*Approximate return of traffic for the week ending Saturday, the 14th January 1893,  
as compared with the corresponding week of the previous year.*

NATURE OF CARGO.			WEEK ENDING SATURDAY, THE 14TH JANUARY 1893.			WEEK ENDING SATURDAY, THE 16TH JANUARY 1892.		
			Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
			No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	...	...	1,602	3,98,534	6,771	1,635	4,15,685	6,928
Jute	...	...	174	92,125	1,625	57	44,300	707
Firewood	...	...	84	61,025	894	103	63,150	1,004
Other articles	...	...	821	1,43,200	2,246	968	2,32,445	3,327
Total	...	...	2,681	6,94,884	11,406	2,762	7,55,570	11,966

EASTERN BENGAL STATE RAILWAY.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of October 1892, as compared with the same month of the previous year.

STAPLES.	1892.		1891.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1892.	1891.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal ... ..	2,705	2,047	2,134	1,602	10,398*	11,890*	.....	1,492
Cotton, raw ... ..	70	183	74	250	253	324	.....	71
Cotton twist and yarn—								
1.—European ... ..								
2.—Indian ... ..								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles ... ..	3,000	141	2,603	120	3,141	2,783	358	.....
b.—In boxes ... ..								
2.—Indian—								
a.—In bales and bundles ... ..								
b.—In boxes ... ..								
Grains—								
1.—Rice ... ..	5,951	720	3,853	1,047	6,671	4,899	1,772	.....
2.—Others ... ..	1,853	1,118	1,590	1,054	3,011	2,474	.....	537
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed ... ..								
b.—Undressed ... ..								
2.—Skins of sheep, &c.—	11	453	7	803	464	810	.....	346
a.—Dressed ... ..								
b.—Undressed ... ..								
Jute—								
1.—Raw—								
a.—Screwed ... ..	26	16,123	.....	10,180	16,148	10,180	5,968	.....
b.—Unscrewed ... ..	236	43,103	2	35,783	43,329	35,785	7,544	.....
2.—Gunny-bags and cloth ... ..	180	1,520	140	1,613	1,718	1,768	.....	50
Metals—								
1.—Copper, unwrought ... ..								
2.—Brass, unwrought ... ..								
3.—Brass and copper, wrought ... ..	755	170	760	76	925	844	81	.....
4.—Iron ... ..								
5.—Tin ... ..								
6.—Others ... ..								
Oils—								
1.—Kerosine ... ..	4,480	0	1,323	13	4,480	1,336	3,144	.....
2.—Others ... ..	224	37	161	50	201	232	29	.....
Oil-seeds—								
1.—Linseed ... ..								
2.—Rape and mustard ... ..								
3.—Til or gingelly ... ..								
4.—Niger ... ..	350	594	240	1,338	944	1,578	.....	634
5.—Castor ... ..								
6.—Poppy ... ..								
7.—Others ... ..								
Provisions—								
1.—Betel-nuts ... ..	91	741	136	1,064	832	1,204	.....	372
2.—Others ... ..	516	572	442	182	858	624	234	.....
Railway plant and rolling-stock ... ..	.....	.....	.....	.....	7,231†	7,589†	.....	358
Salt ... ..	2,308	42	4,161	23	2,438	4,194	.....	1,756
Sugar—								
1.—Drained ... ..	707	250	754	250	967	1,004	.....	37
2.—Undrained ... ..								
Tea—								
1.—Foreign ... ..	1	3,613	2	2,932	3,619	2,934	685	.....
2.—Indian ... ..								
Wood—								
1.—Timber ... ..	121	124	228	113	248	241	.....	7
2.—Firewood ... ..	1,643	1,040	1,040	.....	1,683	1,040	.....	643
Tobacco ... ..	59	1,359	87	990	1,418	1,077	341	.....
All other articles of merchandise—								
1.—Unmanufactured ... ..	2,005	1,484	1,901	1,959	4,370	3,950	420	.....
2.—Manufactured ... ..								
Hay, straw, and wooloo (C. & S. E. Sections) ... ..	749	.....	616	.....	740	616	124	.....
Total ... ..	20,111	74,306	23,077	62,945	110,303	100,675	9,628	9,628

\* Includes 5,696 tons and 7,164 tons of coal during 1892 and 1891, respectively, carried for Revenue, for which no "Up" and "Down" register maintained.  
† Railway plant and rolling-stock, 7,339 tons and 7,589 tons for the years 1892 and 1891, respectively, for which no "Up" and "Down" register maintained.

Comparative Statement of principal commodities carried on the Eastern Bengal State Railway during the month of October 1892.

INCREASES.		Tons.	
Rice ... ..	2,072	Jute, unscrewed ... ..	7,644
The traffic in 1891 was abnormally low.		The principal increase is in despatches from Pangas, Kushtia, Atrai, Raninagore, Darwani, and Domar, due to good crop and favourable market.	
Jute, screwed ... ..	5,968	Kerosine oil ... ..	3,154
Forbesganj, Saidpur, Nilphamari, Haldibari, Kaorai, Postgollah and Shannagar show increases under this head.		Due to the prohibition of carriage by boat within certain limits of the port of Calcutta.	
DECREASES.		Tons.	
Coal ... ..	1,492	Salt ... ..	1,756
Ordinary fluctuation.		The decrease was in upward despatches from Chitpur, said to be due to less demand at up-country stations and to Calcutta prices having been high.	

JAMES SHAW,  
Examiner of Accounts.

CALCUTTA, the 22nd December 1892.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 7th January 1893, on 1,610½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	238,903	Rs. A. P. 2,94,118 11 0	Mds. s. 28,37,002 10	Rs. A. P. 5,07,247 3 0	Rs. A. P. 18,875 0 0	Rs. A. P. 9,10,241 4 0	74,824	112,370½	187,194
Or per mile of railway ...	.....	183 10 0	.....	370 13 7	11 11 6	565 3 1	.....	.....	.....
For previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 1 week ...	238,903	2,94,118 11 0	28,37,002 10	5,07,247 3 0	18,875 0 0	9,10,241 4 0	74,824	112,370½	187,194
COMPARISON.									
Total for first 9 days of previous year ...	206,02½	3,37,904 13 4	32,85,020 0	7,70,476 9 9	14,967 10 8	11,23,409 1 0	95,808	126,834	219,642
Per mile of railway corresponding period of previous year ...	.....	213 8 4	.....	466 12 6	9 7 4	709 13 2	.....	.....	.....
Total for corresponding period of previous year ...	290,02½	3,37,904 13 4	32,85,020 0	7,70,476 9 9	14,967 10 8	11,23,409 1 0	95,808	126,834	219,642

\* The increase in coaching (after deducting 2 days' average receipts from corresponding period) is due to the running of a special train for His Excellency the Commander-in-Chief from Howrah to Ghazipur, and to a remount special train from Chitpur to Saharanpur.

## TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 7th January 1893, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	18,325	Rs. A. P. 4,624 15 0	Mds. s. 9,618 0	Rs. A. P. 407 14 0	Rs. A. P. 15 0 0	Rs. A. P. 5,047 13 0	873	95	968
Or per mile of railway ...	.....	207 13 10	.....	18 5 4	0 10 9	220 13 11	.....	.....	.....
For previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 1 week ...	18,325	4,624 15 0	9,618 0	407 14 0	15 0 0	5,047 13 0	873	95	968
COMPARISON.									
Total for first 9 days of previous year ...	23,276	5,709 5 3	13,733 0	531 9 0	16 12 6	6,257 10 9	1,143	109	1,254
Per mile of railway corresponding period of previous year ...	.....	256 9 7	.....	23 14 3	0 12 1	281 3 11	.....	.....	.....
Total for corresponding period of previous year ...	23,276	5,709 5 3	13,733 0	531 9 0	16 12 6	6,257 10 9	1,143	109	1,254

## DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 7th January 1893, on 161½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	16,321	Rs. A. P. 9,424 3 0	Mds. s. 39,839 10	Rs. A. P. 7,870 3 0	Rs. A. P. 60 0 0	Rs. A. P. 17,360 6 0	5,138	3,536	8,674
Or per mile of railway ...	.....	58 6 3	.....	48 12 2	0 0 7	107 9 0	.....	.....	.....
For previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 1 week ...	16,321	9,424 3 0	39,839 10	7,870 3 0	60 0 0	17,360 6 0	5,138	3,536	8,674
COMPARISON.									
Total for first 9 days of previous year ...	16,118	11,447 6 6	54,762 0	10,084 12 0	81 11 6	21,613 14 0	7,483	2,428	9,910
Per mile of railway corresponding period of previous year ...	.....	70 14 10	.....	62 7 9	0 8 1	133 14 8	.....	.....	.....
Total for corresponding period of previous year ...	16,118	11,447 6 6	54,762 0	10,084 12 0	81 11 6	21,613 14 0	7,483	2,428	9,910

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K.-D., AND ASSAM-BIHAR SECTIONS.)

Approximate Return of Traffic for the week ended 7th January 1893, on 777 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	213,215	84,790 0 0	6,50,455 0	1,15,630 0 0	14,670 0 0	2,15,090 0 0	27,912	32,192	60,104
per mile of railway ...	274	109 0 0	845 0	149 0 0	19 0 0	269 0 0	.....	.....	.....
or previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 1 week ...	213,215	84,790 0 0	6,50,455 0	1,15,630 0 0	14,670 0 0	2,15,090 0 0	27,912	32,192	60,104
COMPARISON.									
Total for corresponding first 9 days of previous year ...	229,557	98,403 0 0	6,74,008 0	1,09,416 0 0	14,423 0 0	2,23,242 0 0	33,636	36,168	70,004
per mile of railway corresponding period of previous year ...	296	127 0 0	867 0	141 0 0	19 0 0	270 0 0	.....	.....	.....
Total to corresponding date of previous year ...	229,557	98,403 0 0	6,74,008 0	1,09,416 0 0	14,423 0 0	2,23,242 0 0	33,636	36,168	70,004

\* Excluding steamer earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for the week ended 7th January 1893, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	33,729	11,820 0 0	45,597 0	3,080 0 0	50 0 0	14,950 0 0	3,929	1,743	5,672
per mile of railway ...	270	95 0 0	365 0	25 0 0	.....	120 0 0	.....	.....	.....
or previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 1 week ...	33,729	11,820 0 0	45,597 0	3,080 0 0	50 0 0	14,950 0 0	3,929	1,743	5,672
COMPARISON.									
Total for corresponding first 9 days of previous year ...	38,085	13,781 0 0	72,037 0	4,109 0 0	152 0 0	18,042 0 0	4,614	2,713	7,327
per mile of railway corresponding period of previous year ...	305	110 0 0	576 0	33 0 0	1 0 0	141 0 0	.....	.....	.....
Total to corresponding date of previous year ...	38,085	13,781 0 0	72,037 0	4,109 0 0	152 0 0	18,042 0 0	4,614	2,713	7,327

DACCA STATE RAILWAY.

Approximate Return of Traffic for the week ended 7th January 1893, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	16,987	6,100 0 0	17,461 0	1,810 0 0	150 0 0	8,120 0 0	2,487	737	3,224
per mile of railway ...	198	71 0 0	203 0	21 0 0	2 0 0	94 0 0	.....	.....	.....
or previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 1 week ...	16,987	6,100 0 0	17,461 0	1,810 0 0	150 0 0	8,120 0 0	2,487	737	3,224
COMPARISON.									
Total for corresponding first 9 days of previous year ...	23,903	7,401 0 0	11,008 0	1,243 0 0	116 0 0	8,850 0 0	3,191	927	4,118
per mile of railway corresponding period of previous year ...	266	87 0 0	130 0	15 0 0	1 0 0	103 0 0	.....	.....	.....
Total to corresponding date of previous year ...	23,903	7,401 0 0	11,008 0	1,243 0 0	116 0 0	8,850 0 0	3,191	927	4,118



BENGAL AND NORTH-WESTERN RAILWAY.

(INCLUDES THE TIRHUT STATE RAILWAY.)

Approximate return of traffic for the week ending 7th January 1893, on 755 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES BUS.		
	Number of passengers.	Coaching.	Weight carried.	Receipts.			Coaching.	Merchan-dise.	Total.
Total traffic for the week on 755 miles open ... ..	81,370	Rs. 32,530	Mds. 4,14,100	Rs. 54,360	Rs. 11,370	Rs. 98,260	12,534	17,306	30,440
Or per mile of railway ... ..	107'03	43'03	547'75	71'00	15'04	130'17	.....	.....	.....
For previous nil weeks of half-year ... ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 1 week ... ..	81,370	32,530	4,14,100	54,360	11,370	98,260	12,534	17,306	30,440
COMPARISON.									
Total for corresponding week of previous year on 737 miles open ... ..	80,797	37,345	3,34,004	42,293	10,405	90,042	16,804	17,460	34,304
Or per mile of corresponding week of previous year ... ..	117'77	50'67	453'19	57'38	14'12	122'17	.....	.....	.....
Total to corresponding date of previous year ... ..	86,797	37,345	3,34,004	42,293	10,405	90,042	16,804	17,400	34,304

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for the week ending 7th January 1893	...	...	Rs. 7,695	A. 0	P. 0
Corresponding period of 1892	...	...	7,064	0	0
Increase	...	...	631	0	0
Receipts per mile for the week ending 7th January 1893	...	...	150	14	1
Corresponding period of 1892	...	...	138	8	2
Increase	...	...	12	5	11
Receipts from 1st to 7th January 1893	..	...	7,695	0	0
Corresponding period of 1892	...	...	7,064	0	0
Increase	...	..	631	0	0



APPENDIX TO

# The Calcutta Gazette.

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WEDNESDAY, JANUARY 18, 1893.

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## NOTICES TO MARINERS.

### GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

#### NOTICE TO MARINERS—No. 1.

[Second Publication.]

#### MAURITIUS—PORT LOUIS.

*The light-ship in the roadstead has been repaired and re-moored.*

THE following Notice to Mariners, issued by Her Majesty's Government of Mauritius, is republished :—

The light-ship having been repaired is now re-moored in her former position in the roadstead of Port Louis. She is painted white, and shows a white flashing light from sunset to sunrise, visible about nine miles in every direction from seaward from the poop of a large vessel.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 9th January 1893.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

### GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

#### NOTICE TO MARINERS—No. 2.

[Second Publication.]

#### INDIA, WEST COAST—GULF OF CUTCH.

*Alteration in Beit harbour (Samiani island) light.*

THE following Notice to Mariners, issued by the Government of Bombay, is republished :—

Information has been received through the Agent to the Governor-General at Baroda that an additional new red sector has been placed in the Beit harbour (Samiani Island) light, extending over the Puga sandbank lying to the south-east of Chinri reef, visible through an arc of 30°, and lying between the bearings of S. 80° 30' W. and N. 69° 30' W (magnetic.)

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 9th January 1893.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 241.

[Third Publication.]

BAY OF BENGAL—BURMA COAST.

*Krishna shoal light—Date of alteration postponed.*

WITH reference to Notice to Mariners No. 181, dated 11th October 1892, issued by this office, intimating that the character of the Krishna shoal light will be altered from 1st January 1893, the Port Officer, Rangoon, through the Director of the Royal Indian Marine, has given further notice, that owing to the non-arrival of an important part of the new apparatus, the alteration of the light is postponed one month.

The light should be exhibited therefore on the 1st February 1893.

EATON. W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 29th December 1892. K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 242.

[Third Publication.]

BAY OF BENGAL—BURMA COAST.

*Kyauk Pyu harbour—Universal System of buoyage.*

THE Port Officer, Akyab, through the Director of the Royal Indian Marine, has given notice, that all buoys marking the channel are now painted in accordance with the International System of Buoyage, viz :—

The Starboard hand buoys are painted *red*; and the Port hand *black*; on entering the channel.

EATON. W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 29th December 1892. K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 243.

[Third Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

*Intended alteration in the Kutubdea light.*

WITH reference to Notice to Mariners No. 202, dated the 17th November 1891, issued by this office, a further telegraphic communication has been received from the Port Officer, Chittagong, stating that the new Kutubdea light has an interval of one minute between the revolutions or flashes; the duration of each flash being six seconds, and its greatest intensity two seconds.

As notified in No. 77 of the 14th April 1892, the new light will be exhibited on the 1st January 1893.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 29th December 1892. K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS.—No. 244.

[Third Publication]

AUSTRALIA—KEPPEL BAY.

*Main channel across Wide Bay Bar; and Lightship at Keppel bay.*

THE Port Master, Brisbane, has given notice (No. 19 of 1892) that it has been reported that the main or north channel across Wide Bay Bar lies more to the northward than for-

merly, and, consequently, that the leading beacons, which have hitherto been kept open once their own width to northward, must be kept still more open. Until the bar has been examined, and the beacons altered to meet changes, vessels must approach and use this channel with caution.

The lightship at Keppel bay will be retained in her present position until further notice.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 29th December 1892. K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 245.

[Third Publication.]

AUSTRALIA—WIDE BAY BAR.

*Channel across the Bar—Beacons altered.*

THE Port Master, Brisbane, has given notice (No. 20 of 1892) that the beacons which lead across Wide Bay Bar through the North Channel have been altered, and are now to be kept in line, bearing N. 74° W. (W. by N.  $\frac{3}{4}$  N.), magnetic.

The least depth on this lead is at present 18 feet at low-water springs.

The beacons which lead through the South Channel have also been altered, and now lead N. 59° W. (N. W.  $\frac{1}{4}$  W.), magnetic.

On this lead the least depth is now 13 feet at low-water springs.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 29th December 1892. K. H. STEPHEN,  
*Under-Secretary, Marine Department.*





The Calcutta Gazette.

WEDNESDAY, JANUARY 25, 1893.

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PART I.

Orders and Notifications by the Lieutenant-Governor of Bengal, the High Court, Government Treasury, &c.

ORDERS BY THE LIEUT.-GOVERNOR OF BENGAL.

PROGRAMME OF HIS HONOUR THE LIEUTENANT-GOVERNOR'S TOUR, 1893.

January 21st ...	Arr. ...	Chittagong ...	By sea ...	Afternoon.	
" 22nd...	} Halt				
" 23rd ...					
" 24th ...					
" 25th ...					
" 26th ...	Dep. ...	.....	Do. ...	Morning ...	On board the Guide to Kutubdia and thence on the Chaffinch.
" 26th ...	Arr. ...	Cox's Bazar ...	Do. ...	Afternoon.	
" 27th ...	} Halt	Ditto ...	.....	.....	Visit Ramu.
" 28th ...		Ditto ...	Do. ...	Morning ...	On Chaffinch and rejoin the Guide at Kutubdia.
" 29th ...	Dep. ...				Arrival private.
" 30th ...	Arr. ...	Calcutta ...	Do. ...	Afternoon ...	

His Honour will be accompanied by Mr. C. C. Stevens, Mr. W. O. Macpherson, the Hon'ble H. J. S. Cotton, c.s.i., and Captain Currie, Private Secretary.  
All letters, parcels, &c., &c., to be addressed to "His Honour the Lieutenant-Governor's Camp" without the addition of any post town.

By order,  
J. W. CURRIE, Capt.,  
Private Secretary.

BELVEDERE, the 9th January 1893.

## No. 7A.

**GENERAL.**—*The 19th January 1893.*—Second-Lieutenant G. W. Goddard, Presidency Volunteer Rifle Battalion, is allowed leave of absence for one year, with effect from the 10th January 1893.

Lieutenant O. B. Griffiths, Calcutta Naval Volunteers, is allowed leave of absence for nine months with effect from the 1st February 1893.

*The 20th January 1893.*—Babu Trailokya Nath Sen, Deputy Magistrate and Deputy Collector, is appointed to perform the functions of a Collector under section 4 of the Public Demands Recovery Act VII (B.C.) of 1880 in the district of Birbhum.

Babu Kali Prosanna Sircar, Deputy Magistrate and Deputy Collector, on leave, is posted to the head-quarters station of the Faridpur district.

*The 23rd January 1893.*—Babu Nobin Chuander Sen, Deputy Magistrate and Deputy Collector, Fenny, Noakhali, is vested with the powers of a Collector under Act X of 1870 in that sub-division.

*The 24th January 1893.*—Mr. L. P. Shirres, Joint-Magistrate and Deputy Collector, Burdwan, is appointed to act, until further orders, in the first grade of Joint-Magistrates and Deputy Collectors, with effect from the 11th January 1893.

Mr. H. Wheeler, Assistant Magistrate and Collector, Bhagalpur, is transferred to Monghyr, and is posted to the head-quarters station of that district.

Mr. N. Ward-Jones, Deputy Magistrate and Deputy Collector, Murshidabad, is vested with the powers of a Collector under Act X of 1870 in that district.

Babu Hiralal Banerjee, Deputy Magistrate and Deputy Collector, Monghyr, is vested with the powers of a Collector under Act X of 1870 in that district.

Babu Dino Nath Dey, Deputy Magistrate and Deputy Collector, Rangpur, on leave, is posted to the head-quarters station of the district of Nadia.

Maulvi Mahmud-ul-Nabi, Deputy Magistrate and Deputy Collector, Murshidabad, on leave, is posted to the head-quarters station of the district of Saran.

The following officers are appointed to act as Deputy Magistrates and Deputy Collectors, but will continue to be employed on special duty until further orders :—

Babu Jogendra Kumar Bose, Special Deputy Collector, Chittagong.

„ Bipin Bihari Pramanik, Special Deputy Collector, Bankura.

The following probationary Deputy Magistrates are appointed to act as Deputy Magistrates and Deputy Collectors until further orders, and are posted to the head-quarters stations of the districts mentioned opposite their names :—

Babu Ashutosh Bagchi, M.A.	...	... Dinajpur.
„ Romani Mohun Das, M.A.	...	... Mymensingh.
„ Ramapati Chatterji, B.L.	...	... Midnapore.
„ Nikhil Nath Roy, B.L.	...	... Faridpur.

Mr. J. T. Babonau, Deputy Magistrate and Deputy Collector, Palaman, is allowed leave for one month, under article 291 of the Civil Service Regulations, with effect from the date on which he may be relieved.

**POLICE.**—*The 23rd January 1893.*—Mr. E. H. D'Oyly, Assistant Superintendent of Police, has been granted by Her Majesty's Secretary of State for India an extension of six months' extraordinary leave on medical certificate without pay.

*The 24th January 1893.*—Mr. J. Masters, District Superintendent of Police, is posted to Midnapore.

Colonel H. M. Ramsay, District Superintendent of Police, Midnapore, is transferred to Muzaffarpur.

Mr. P. A. Sandilands, District Superintendent of Police, Muzaffarpur, is transferred to Singhbhum.

**REGISTRATION.**—*The 24th January 1893.*—Maulvi Shah Mohammad Yakub, Special Sub-Registrar of Monghyr, is allowed leave for two months, under article 369 of the Civil Service Regulations, with effect from the 28th November 1892.

Maulvi Shah Mohammad Saeed, Rural Sub-Registrar of Khargpur, Monghyr, is appointed to act as Special Sub-Registrar of that district, during the absence, on leave, of Maulvi Shah Mohammad Yakub, or until further orders, with effect from the date on which he joined his appointment.

**EDUCATION.**—*The 23rd January 1893.*—Babu Bireswar Chatterjee, Senior Lecturer, Sanskrit College, is appointed to be in charge of the office of the Principal of that College in addition to his own duties, during the absence, on deputation, of Mahamahopadhyaya Mahesa Chandra Nyaratna, C.I.E., or until further orders.

*The 24th January 1893.*—Mr. W. Griffiths, Officiating Principal of the Presidency College, is confirmed in that appointment, with effect from the 27th December 1892, *vide* Mr. C. H. Tawney, C.I.E., retired.

Mr. W. Booth, Officiating Principal of the Hooghly College, is confirmed in that appointment, with effect from the 27th December 1892, *vide* Mr. W. Griffiths, transferred.

Babu Sib Nath Banerjee, Law Lecturer, Hooghly College, is allowed leave for six months, under article 372 of the Civil Service Regulations, in extension of the leave granted to him under the order of the 18th July 1892.

Babu Mohendro Nath Sanyal, Law Lecturer of the Rajshahi College, is allowed leave, without allowances, for one month, with effect from the 3rd January 1893.

Babu Jadab Chandra Chaudhuri, B.L., is appointed to act as Law Lecturer of the Rajshahi College, during the absence, on leave, of Babu Mohendra Nath Sanyal, or until further orders.

The following notifications are republished from the *Assam Gazette* :—

*No. 233G.—The 13th January 1893.*—The Chief Commissioner approves the election of Mr. J. L. Herald, I.C.S., Officiating Deputy Commissioner, Cachar, to be Chairman of the Silchar Station Committee, *vice* Mr. J. Clark, I.C.S., transferred.

*No. 94J.—The 12th January 1893.*—In exercise of the power conferred by section 185 (a) of the Civil Procedure Code (Act XIV of 1882), the Chief Commissioner directs that Mr. J. L. Herald, I.C.S., Officiating Deputy Commissioner and District Judge, Cachar, shall take down evidence with his own hand in the English language in civil cases in which an appeal is allowed.

H. J. S. COTTON,  
*Chief Secy. to the Govt. of Bengal.*

### REVENUE DEPARTMENT,—(FORESTS).

#### NOTIFICATION—No. 363For.

*The 24th January, 1893.*—Mr. A. H. Mee, Officiating Extra Assistant Conservator of Forests, 4th grade, is confirmed in that appointment, with effect from the 28th October, 1892.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

#### NOTIFICATION.—No. 391For.

*The 24th January 1893.*—Mr. R. Quinell, Extra Assistant Conservator of Forests, 1st grade, in charge of the Palamau Forest Division, was reduced to the 2nd grade of Extra Assistant Conservators for a period of three months, with effect from the 22nd June 1892.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

### REVENUE DEPARTMENT,—(OPIUM).

#### NOTIFICATION.—No. 311-O.

*The 18th January 1893.*—Maulvi Abdul Majid, Assistant Sub-Deputy Opium Agent, Benares Agency, is allowed a further extension of privilege leave for one day in addition to the leave already granted to him under Notification No. 3985-O., dated the 21st November 1892.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

#### NOTIFICATION—No. 249L.R.

*The 17th January 1893.*—The declaration authorising the acquisition of a piece of land required for the site of a Post Office building at Nawansagar, in the district of Shahabad, published at page 907, Part I of the *Calcutta Gazette* of the 9th November 1887, is hereby cancelled.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

#### NOTIFICATION—No. 292L.R.

*The 18th January 1893.*—In continuation of Notification No. 115L.R., dated the 5th January 1893, extending sections 189 and 190 of the Bengal Tenancy Act, VIII of 1885, to the Orissa Division, published at page 20, Part I of the *Calcutta Gazette*, dated the 11th January 1893, the Lieutenant-Governor is pleased to declare that the rules framed and validated under those sections and now operative are and shall be in force in the Orissa Division so far as they relate to the sections of the Bengal Tenancy Act which have been or may be extended to that Division.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*



## NOTIFICATION—No. 294L.R.

*The 18th January 1893.*—Mr. W. Maude, c.s., and the following officers, who were appointed Revenue Officers under the Bengal Tenancy Act (VIII of 1885) in Notification No. 145 L.R., dated the 5th January 1893, are hereby appointed to be Settlement Officer and Assistant Settlement Officers, respectively, in Orissa under Rule I, Chapter VI of the Rules framed under the Bengal Tenancy Act (VIII of 1885):—

- |                                    |                                   |
|------------------------------------|-----------------------------------|
| (1) Mr. R. Nathan.                 | (10) Babu Mohendra Nath Seal.     |
| (2) „ C. A. Radice.                | (11) Mr. James Taylor.            |
| (3) „ S. L. Maddox.                | (12) Babu Prasanna Kumar Banerji. |
| (4) „ Barada Charan Mitra.         | (13) „ Akhoy Kumar Sen.           |
| (5) „ Ambika Charan Sen.           | (14) „ Giris Chandra Dutt.        |
| (6) Babu Jamini Mohan Das.         | (15) „ Nisi Kanta Chatterji.      |
| (7) „ Hariis Chandra Rai.          | (16) „ Jotendra Mohon Sinha.      |
| (8) „ Chandra Nath Ghosh.          | (17) „ Abhoy Prasad Das.          |
| (9) „ Chaku Lal Sirkar.            | (18) „ Amirta Lal Gupta.          |
| (19) Babu Upendra Chandra Mukerji. |                                   |

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.—No. 357L.R.

*The 19th January 1893.*—The three months' privilege leave granted to Babu Kali Sankar Sen, Settlement Officer of pargana Sarail in Tippera, under notification No. 652T.-R., dated the 28th September 1892, published in the *Calcutta Gazette* of the 5th October following, is hereby cancelled.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.—No. 372L.R.

*The 22nd January 1893.*—Under the powers conferred upon him by section 101(2) (a) of the Bengal Tenancy Act VIII of 1885, the Lieutenant-Governor is pleased to order that a survey be made and a record of rights prepared in respect of all lands included in taluk and village Gourgram, pargana Chakla Kazirhat, district Raigpur.

The particulars to be recorded in the survey and record of rights shall be the following:—

1. The name of the proprietor with the character and extent of his interest.
2. The situation, quantity and boundaries of the proprietor's private lands as defined in Chapter XI of the Act—
  - (a) The name of each tenant.
  - (b) The class to which he belongs, that is to say, whether he is a tenure-holder, raiyat holding at fixed rates, occupancy raiyat, non-occupancy raiyat or under-raiyat, and if he is a tenure-holder, whether he is a permanent tenure-holder or not, and whether his rent is liable to enhancement during the continuance of his tenure.
  - (c) The situation, quantity, and boundaries of the land held by him.
  - (d) The name of his landlord.
  - (e) The rent payable.
  - (f) The mode in which that rent has been fixed, whether by contract, or by order of a Court, or otherwise.
  - (g) If the rent is a gradually increasing rent, the time at which and the steps by which it increases.
  - (h) The special conditions and incidents, if any, of the tenancy.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.—No. 370L.R.

*The 23rd January, 1893.*—Babu Bihari Lal Ghosal, Kanungo, is appointed to discharge the functions of a Revenue Officer under the provisions of the Bengal Tenancy Act VIII of 1885 relating to Revenue Officers, and is vested with the powers of Assistant Settlement Officer under Rule 1, Chapter VI of the rules under that Act in the district of Chittagong, with effect from the 29th November 1892. He is also vested with the powers of an Assistant Superintendent of Survey under section 4 of Act V (B.C.) of 1875 from the same date in the said district.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.—No. 371L.R.

*The 23rd January, 1893.*—Babu Hara Chunder Ghose, Sub-Deputy Collector, Murshidabad, is hereby authorised to discharge the functions of a Revenue Officer under the provisions of the Bengal Tenancy Act VIII of 1885, and is vested with the powers of a Settlement Officer under Rule 1, Chapter VI of the rules framed by Government under that Act.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.—No. 373L.R.

*The 21th January 1893.*—The Lieutenant-Governor is pleased to order that the Notification, dated the 19th February 1891, published in the *Calcutta Gazette* of the 25th idem, be cancelled so far as it relates to the Government Estates Char Hime and Char Bhairab, which will be withdrawn forthwith from the settlement operations in progress in accordance with that Notification in certain Government Estates in the district of Tippera.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.—No. 394L.R.

*The 21th January 1893.*—Under the power conferred upon him by section 101 (2) (c) of the Bengal Tenancy Act (VIII of 1885), the Lieutenant-Governor is pleased to order that a survey shall be made and a record of rights prepared in respect of all lands included within the boundaries of the following Government estates, commonly known as the Jaipur estates in the district of Bogra:—

1. Lot Chihawalpara	...	...	Tauzi No. 799-657
2. Kismut Saguna	...	...	" " 798-656
3. Hudda Puranapail	...	...	" " 797-655
4. Do. Bagui	...	...	" " 796-654
5. Do. Balighata	...	...	" " 795-653
6. Lot Debkhanda	...	...	" " 830-661
7. Lot Dharanji	...	...	" " 828-660
8. Ganguria	...	...	" " 689

The particulars to be recorded in the survey and record of rights shall be the following:—

The name of each tenant.

The class to which he belongs, that is to say, whether he is a tenure-holder, raiyat holding at fixed rates, occupancy raiyat or under-raiyat, and if he is a tenure-holder, whether he is a permanent tenure-holder or not, and whether his rent is liable to enhancement during the continuance of his tenure.

The situation, quantity, and boundaries of the land held by him.

The name of his landlord.

The rent payable.

The mode in which the rent has been fixed, whether by contract, by order of a Court, or otherwise.

If the rent is a gradually increasing rent, the time at which and the steps by which it increases.

The special conditions and incidents, if any, of the tenancy.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## DECLARATION.—No. 316L.R.

*The 21st January 1893.*—Whereas it appears to the Lieutenant-Governor of Bengal that land is required to be taken by Government at the public expense for a public purpose, viz., for the construction of a Military Works Department Sub-Divisional Office and Godown in the vicinity of the Foundry and Shell Factory at Cossipore, pargana Calcutta, zilla 24-Parganas, it is hereby declared that for the above purpose a piece of land measuring, more or less, 9 cottahs 8 chitaks 4 feet of standard measurement, bounded on the north by the Jheel road, on the east by the remaining portion of the premises, on the south by the site for the police barrack, and on the west by the new road made for the Shell Factory, is required within the aforesaid village of Cossipore.

This declaration is made, under the provisions of section 6 of Act X of 1870, to all whom it may concern.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.—No. 176.

*The 21st January 1893.*—Babu Jaladhar Saikar is appointed to be Registrar of Marriages under Act III of 1872 in the district of Pabna.

C. E. BUCKLAND,  
*Secy. to the Govt. of Bengal.*

## MEDICAL DEPARTMENT.

*No. 257 Med.*—*The 19th January 1893.*—In supersession of Government order No. 44 Med., dated 5th January 1893, Surgeon-Lieutenant-Colonel W. F. Murray is appointed to be Civil Surgeon of Puri.

*No. 209 Med.*—*The 24th January 1893.*—The services of Surgeon-Captain F. J. Drury, Resident Surgeon, Eden Hospital, are placed at the disposal of the Government of India, in the Home Department.

*No. 301 Med.*—*The 24th January 1893.*—Surgeon-Captain F. P. Maynard is appointed to act as Civil Surgeon of Nadia, during the absence, on furlough, of Surgeon-Captain J. Clarke, or until further orders.

*No. 303 Med.*—*The 24th January 1893.*—In supersession of Government notification No. 41 Med., dated the 5th January 1893, Surgeon-Major T. B. Macdonald is appointed to be Civil Surgeon of Monghyr. This cancels Government notification No. 39 Med., dated 5th January 1893, appointing Surgeon-Captain C. R. M. Green to act as Civil Surgeon of Monghyr.

*No. 318 Med.*—*The 24th January 1893.*—Apothecary G. Gill, Officiating House Surgeon, Howrah General Hospital, is allowed leave for 90 days, under article 291 of the Civil Service Regulations, with effect from the 20th January 1893, or any subsequent date on which he may avail himself of it.

H. H. RISLEY,  
Secy. to the Govt. of Bengal.

#### JUDICIAL DEPARTMENT.

##### No. 8A.

*The 16th January 1893.*—Babu Upendra Nath Mukhopadhyaya Vidyaratna, B.L., is appointed to act as a Munsif in the district of Birbhum, to be ordinarily stationed at Dubrajpur, during the absence, on leave, of Babu Nagendra Chandra Mitra, or until further orders.

*The 19th January 1893.*—Babu Brojo Gopal Prodhan is appointed to be an Honorary Magistrate of the Independent Bench at Tamluk, in the district of Midnapore, and is vested with the powers of a Magistrate of the third class.

The Lieutenant-Governor accepts the resignation tendered by Babu Amar Nath Ghose of his appointment as an Honorary Magistrate of the Tamluk Independent Bench in the district of Midnapore.

*The 20th January 1893.*—Babu Krishna Mohan Mukerjee, Small Cause Court Judge and Subordinate Judge of Dacca and Munshiganj, is allowed leave for thirty days, under article 306 (b) of the Civil Service Regulations, with effect from the 14th February next, or such subsequent date as he may avail himself of it.

Babu Durga Das Mukapadhyaya, B.A., B.L., is appointed to act as a Munsif in the district of Backergunge, to be ordinarily stationed at Barisal, during the absence, on leave, of Babu Dinesh Chandra Roy, or until further orders.

Babu Surendra Nath Ghose, B.L., is appointed to act as a Munsif in the district of Pabna and Bogra, to be ordinarily stationed at Bogra, during the absence, on leave, of Babu Poreah Nath Chatterjee, or until further orders.

Babu Binode Behary Mitter, B.L., is appointed to act as a Munsif in the district of Faridpur, to be ordinarily stationed at Bhanga, during the absence, on leave, of Babu Gobind Deb Mookerjee, or until further orders.

Babu Nogensdra Nath Roy, Munsif of Patiya, in the district of Chittagong, on leave, is appointed to be a Munsif in the district of the 24-Parganas, to be ordinarily stationed at Barasat, and is vested temporarily with the powers of a Judge of a Court of Small Causes for the trial of suits cognizable by such a Court up to the value of Rs. 50 within the local limits of the Barasat Munsifi.

Babu Purua Chandra Roy, Munsif of Barasat, in the district of the 24-Parganas, is appointed to be a Munsif in the district of Saran, to be ordinarily stationed at Siwan, and is vested temporarily with the powers of a Judge of a Court of Small Causes for the trial of suits cognizable by such a Court up to the value of Rs. 50 within the local limits of the Siwan Munsifi.

Babu Mohendro Nath Das, Munsif of Siwan, in the district of Saran, on furlough, is appointed to be a Munsif in the district of Chittagong, to be ordinarily stationed at Patiya.

*The 21st January 1893.*—The services of the following officers are placed at the disposal of the Government of India in the Home Department:—

Babu Prayag Nath, Munsif.

Babu Sarat Chandra Sanyal, Munsif.

*The 23rd January 1893.*—The Lieutenant-Governor accepts the resignation tendered by Maulvi Afsaruddin Khan Chowdhuri of his appointment as an Honorary Magistrate of the Moheshpur Municipal Bench, in the district of Jessore.

*The 24th January 1893.*—The following Officiating Deputy Magistrates and Deputy Collectors are vested with the powers of Magistrate of the third class:—

Babu Ashutosh Bagchi, Dinajpur.

„ Romani Mohun Das, Mymensingh.

„ Ramapati Chatterji, Midnapore.

„ Nikhil Nath Roy, Faridpur.

In modification of the order of the 29th November 1892, Babu Poreah Chandra Banerjee, Officiating Munsif of Puri, in the district of Cuttack, is appointed to act as a Munsif in the district of Dacca, to be ordinarily stationed at Munshiganj, *vice* Babu Nabin Chandra Ghosal, deceased.

Babu Rabi Chandra Ganguli, Subordinate Judge of Midnapore, is allowed leave for one month, under article 306(b) of the Civil Service Regulations, with effect from the 1st February 1893, or from such subsequent date as he may be relieved.

Babu Kanti Chandra Bhaduri, Munsif of Midnapore, is appointed to act as Subordinate Judge of that district, during the absence, on leave, of Babu Rabi Chandra Ganguli, or until further orders.

Babu Basanti Charan Sinha, M.A., B.L., is appointed to act as a Munsif in the district of Midnapore, to be ordinarily stationed at the Sadar station, during the absence, on deputiation, of Babu Kanti Chandra Bhaduri, or until further orders.

Babu Baidya Nath Ghuttuck, B.L., is appointed to act as a Munsif in the district of Chota Nagpur, to be ordinarily stationed at Ranchi, during the absence, on leave, of Babu Gopal Chandra Banerjee, or until further orders.

Mr. H. Cox, Joint-Magistrate and Deputy Collector, Dacca, is vested, under section 407 of the Code of Criminal Procedure, with power to hear appeals from convictions by Magistrates of the second and third classes.

**GRANT OF LEAVE TO MUNSIFS.**—*The 17th January 1893*—Babu Jogendra Nath Mookerjee, Officiating Munsif of Jhenidah, in the district of Jessore, is allowed leave for one month, under article 306 (b) of the Civil Service Regulations, with effect from the date on which he availed himself of it.

Maulvi Fazlul Karim, Munsif of North Bojan, in the district of Chittagong, is allowed leave for three months, under article 309 of the Civil Service Regulations, in extension of the leave granted to him on the 24th October last.

*The 18th January 1893.*—Babu Gobiud Deb Mookerjee, Munsif of Bhanga, in the district of Faridpur, is allowed leave for one month, under article 306 (b) of the Civil Service Regulations, with effect from the 25th January 1893, or from the date on which he is relieved.

Babu Dinesh Chandra Roy, Munsif of Barisal, in the district of Backergunge, is allowed leave for 14 days, viz., 10 days under article 309 of the Civil Service Regulations, and the remaining period under article 306 (b) of the same Regulations, with effect from the 23rd January 1893, or from the date on which he is relieved.

Babu Porosh Nath Chatterjee, Munsif of Bogra, in the district of Pabna and Bogra, is allowed leave for 45 days, viz., 12 days under article 309 of the Civil Service Regulations, and the remaining period under article 306 (b) of the same Regulations, with effect from the 2nd February 1893, or from the date on which he is relieved.

*The 19th January 1893.*—Babu Bhugobutty Churn Mitter, Munsif of Begamganj, in the district of Nonkiali, is allowed leave for one month, under articles 266 and 309 of the Civil Service Regulations, in extension of the leave granted to him on the 19th November 1892.

Babu Nobin Chandra Ghosal, late Munsif of Munshiganj, in the district of Dacca, is allowed leave up to 11th January 1893, under articles 266 and 309 of the Civil Service Regulations, in extension of the leave granted to him on the 3rd November 1892.

H. J. S. COTTON,  
Chief Secy. to the Govt. of Bengal.

#### NOTIFICATION.

*The 20th January 1893.*—It is hereby notified for general information that the Lieutenant-Governor intends, unless good reasons are shown to the contrary within two months from the date of publication of this Notification, to extend the provisions of Act VI (B.C.) of 1870 (the Village Chaukidari Act), as amended by Act I (B.C.) of 1871, Act I (B.C.) of 1886, and Act I (B.C.) of 1892, to the district of Darjeeling, and to prescribe by Notification in the *Calcutta Gazette*, under section 3 of Act I (B.C.) of 1892, that within the local areas of tea gardens in the district of Darjeeling, and of the estate known as the Western Duars of Jalpaiguri, the number of persons to be appointed to discharge the duties of a paachayat may be reduced to one.

Any representations on this subject that it may be desired to make should be forwarded to the Deputy Commissioners of Darjeeling and Jalpaiguri, respectively, by whom they will be transmitted through the Commissioner for the consideration of Government.

H. J. S. COTTON,  
Chief Secy. to the Govt. of Bengal.

#### NOTIFICATION.

*The 24th January 1893.*—Under section 3, Act I (B.C.) of 1876 (an Act to provide for the voluntary registration of Muhammadan marriages and divorces), the Lieutenant-Governor has been pleased to grant a license to Maulvi Mohammad Abul Hasnath, authorising him to register Muhammadan marriages and divorces and to exercise the other functions of a Muhammadan Registrar within the police-stations of Shahanagar, Bhagwangola, and Manullah-bazar, in the district of Murshidabad.

Under section 2, Act XII of 1880 (an Act for the appointment of persons as Kazis), the Lieutenant-Governor has also been pleased to grant a *sanad* (license) to Maulvi Mohammad Abul Hasnath, appointing him Kazi of the said police-stations of Shahanagar, Bhagwangola, and Manullah-bazar, for the celebration of marriages and the performance of other rites and ceremonies when application is made to him to perform any such functions.

H. J. S. COTTON,  
Chief Secy. to the Govt. of Bengal.

## NOTIFICATION.

*The 24th January 1893.*—Under section 3, Act I (B.C.) of 1876 (an Act to provide for the voluntary registration of Muhammadan marriages and divorces), the Lieutenant-Governor has been pleased to grant a license to Maulvi Fazle Ali, authorising him to register Muhammadan marriages and divorces and to exercise the other functions of a Muhammadan Registrar within the police-stations of Assanpur, Sagardighi, and Kalianganj, in the district of Murshidabad.

Under section 2, Act XII of 1880 (an Act for the appointment of persons as Kaxis), the Lieutenant-Governor has also been pleased to grant a sanad (license) to Maulvi Fazle Ali, appointing him Kazi of the said police-stations of Assanpur, Sagardighi, and Kalianganj, for the celebration of marriages and the performance of other rites and ceremonies when application is made to him to perform any such functions.

H. J. S. COTTON,  
*Chief Secy. to the Govt. of Bengal.*

## PUBLIC WORKS DEPARTMENT,—BENGAL.

## ESTABLISHMENT.

*The 20th January 1893.*

No. 15.—Mr. M. H. Jackson, Executive Engineer, fourth grade, sub. *pro tem.*, Darjeeling Division, is granted furlough on medical certificate for three months, with effect from the afternoon of the 7th December 1892.

## RAILWAY.

*The 20th January 1893.*

No. 16.—*Declaration.*—Whereas it appears to the Lieutenant-Governor of Bengal that land is required to be taken by Government at the public expense for a public purpose, viz., for the Toposi-Khurabad Branch of the Toposi Branch Extension of the East Indian Railway in the villages of Toposi, Sirthakpur, Mahmudpur, Ekeria, Shaikpur, Nundee Jamuria, Konthee, Shibpur, Faridpur, and Domohanee, in pargana Shergurh and in the villages of Barbonee and Noupura in pargana Kanthanagar, and in the village of Khurabad in pargana Shergurh, district Burdwan, it is hereby declared that for the above purpose a piece of land measuring, more or less, 492 bighas 13 cottahs and 3 chitaks of standard measurement (corresponding to 162 acres 3 roods and 18.02 poles), as bounded by a nick on the ground, is required within the aforesaid villages.

The mines of coal, iron-stone, slate or other minerals lying under the land, or any particular portion of the land, except only such parts of the mines and minerals as it may be necessary to dig or carry away or use in the construction of the work for the purpose of which the land is being acquired, are not needed.

This declaration is made, under the provisions of section 6 of Act X of 1870, and section 3, clause 1, Act XVIII of 1885, to all whom it may concern.

*The 21st January 1893.*

No. 17.—*Declaration.*—Whereas it appears to the Lieutenant-Governor of Bengal that land is required to be taken by Government at the public expense for a public purpose, viz., for the Simaria Ghat station yard in the villages of Simaria niaf and Ganga Prasad, pargana Malki, zilla Monghyr, it is hereby declared that for the above purpose a piece of land measuring, more or less, 249 bighas 19 cottahs and 14 chitaks of standard measurement, and bounded on the east by Simaria Ghat station yard, on the north by the villages of niaf Simaria and Ganga Prasad, on the west mahal Ganga Prasad, and on the south by the river Ganges, is required within the aforesaid villages of Simaria niaf and Ganga Prasad.

This declaration is made, under the provisions of section 6 of Act X of 1870, to all whom it may concern.

No. 18.—*Declaration.*—Whereas it appears to the Lieutenant-Governor of Bengal that land is required to be taken by Government at the public expense for a public purpose, viz., for staff quarters at Kaukinara station in the Eastern Section of the Eastern Bengal State Railway System in the village of Bhatpara, pargana Habisbahar, zilla 24-Parganas, it is hereby declared that for the above purpose a piece of land measuring, more or less, 8 cottahs 5 chitaks of standard measurement, bounded on the north by public road, on the east by Eastern Bengal State Railway land, and on the south and west by land occupied by Koylash Doolia, Nundo Doolia and others, is required within the aforesaid village of Bhatpara.

This declaration is made, under the provisions of section 6 of Act X of 1870, to all whom it may concern.

F. J. JOINSTONE,  
*Secy. to the Govt. of Bengal.*

## ESTABLISHMENT.

*The 20th January 1893.*

No. 14.—With reference to notification No. 358, of the 21st December 1892, Mr. E. A. Smith, Assistant Engineer, second grade, is posted to the Dehree Workshops Division, which he joined on the afternoon of the 8th January 1893.

C. W. ODLING,  
*Secy. to the Govt. of Bengal.*

*The 24th January 1893.*

No. 19.—The following extract from a Notification issued by the Government of India, in the Military Department, is republished for information :—

No. 56, dated the 20th January 1893.—The undermentioned Officers and Warrant Officer have been granted extensions of furlough or leave by the Secretary of State for India :—

*	*	*	*
*	*	*	*
*	*	*	*

Conductor C. J. Clarke, Sub-Engineer, third grade, Public Works Department, Bengal, (m.c.) for six months.

C. W. ODLING,  
Secy. to the Govt. of Bengal,  
in the Irrigation and Marine Depts.

[Second Publication.]

IRRIGATION.

*The 17th January 1893.*

No. 11.—*Notification.*—It is hereby notified for general information that the Lieutenant-Governor of Bengal proposes, under the provisions of section XI of Act V (B.C.) of 1864, to pass the following rules in modification of those now in force in the Calcutta Canals and Tolly's Nala from 1st April 1893 :—

I.—Every vessel on entering the Calcutta Canals or Tolly's Nala shall be liable to measurement for the purpose of ascertaining the tolls payable; and in case of any reasonable doubt arising, the Canal Officers at any toll-station shall have authority to measure a vessel notwithstanding that it was measured on entering the canal.

II.—The tonnage of every vessel, whether laden or empty, shall, for the purposes of Act V of 1864 (B.L.C.) and of these rules, be determined by the following measurements :—

A.—The product of quarter the length of the vessel from stem to stern, measured along the water line, multiplied by the interior greatest breadth of the vessel, multiplied by the depth from the waterline to the bottom of the vessel, is to be taken as the number of maunds upon which toll shall be levied.

B.—The measurement of the length is to be made in feet, rejecting inches; the measurement of the breadth and depth is to be made in feet and quarters of a foot, rejecting portions of less than a quarter of a foot in net depth.

C.—In calculating the amount of toll to be levied, any portion of 100 maunds less than 10 maunds is to be omitted.

D.—Provided that in the case of vessels which entered the canals at Chitpore, Kidderpore, and Chetla empty for the purpose of loading therein, the depth shall be measured from the line of usual immersion as visible on the outside of the vessel to the bottom of the vessel, and not from the line of actual immersion at the time of measurement.

E.—In the case of steamers the tonnage, as determined by clauses A, B, C, and D, shall be reduced by one-third as an allowance for engine space.

III.—Every vessel entering the canals shall be furnished with a ticket on payment of the prescribed toll. The manjee's name, the date and hour of entry, the maundage of the vessel, the cargo it contains, and amount of toll charged, shall be entered in this ticket to identify the vessel on which toll has been paid.

IV.—Every person in charge of a boat, raft, or float, who shall pass in the canal without tendering the toll due, or who shall pass out of the canal without delivering to the toll-keeper the ticket of entrance and paying the rent that he due, shall be liable to be detained and punished according to section 10 of Act V of 1864.

V.—This ticket may be demanded and inspected by any Canal Officer, and must be kept on board and at hand for that purpose.

VI.—Every person in charge of boats entering the Calcutta Canals from the eastward must tender his toll ticket to the officer at Dhappa and Panpotta pass-stations to have it examined, stamped, and signed; and for those entering from the westward, must deliver up the toll tickets at the above pass-stations and receive in lieu a pass, which pass must be delivered to the toll-keeper at entrance of canals. Every such person must also pay all dues, or be liable to be detained and dealt with according to section 10 of Act V of 1864.

VII.—Every person in charge of a boat found in the canals (westward of the pass-station) with toll tickets unstamped or unsigned by a pass-station-keeper will be detained and treated as having no toll ticket under section 10 of Act V of 1864.

VIII.—The manjee or owner of every vessel not having a ticket on board and producible on demand shall be liable to the provisions of section 10 of the Canals Act.

IX.—Duplicates of lost tickets, of which the numbers and date of entry can be satisfactorily established, will be granted by the Collector on further payment of a sum equal to the original amount of toll.

X.—During the detention of any vessel under section 9 of these rules, or under any other provision of the Act, the duty of Canal Officers will be to see that the vessel or its cargo are not clandestinely removed; but they are in no way responsible for its safety, for which the manjee, owner, or agent must make their own arrangements.

XI.—The purchaser of a vessel sold under these rules, and under the Act, will have the option of taking it out of the canal on the day of purchase, or of taking out a fresh toll ticket at the rate fixed by the Schedule of Tolls in force for the time being.

XII.—No boat engaged by any officer of Government, whether civil or military, shall be exempt from toll, on the ground that the officer is travelling on public duty. The only exception of this rule shall be in the case of vessels specially engaged in the conveyance of troops on military duty.

XIII.—All vessels the *bona fide* property of Government, or employed on works connected with the maintenance or improvement of the canals, and duly certified as such, shall be exempted from these tolls and charges. No other vessels whatever shall be exempted.

XIV.—Every vessel, raft, or float, which has paid toll, shall be allowed three days for passing through Circular Canals, and two days for Tolly's Nala between Gurreah and Kidderpore, and three days for Soorahs outside Dhappa Lock, the days of entering and of leaving being both included. In addition to these three days, they may, without further payment, remain in the canals for the further undermentioned periods, that is to say—

*Circular Canal boats.*—One day for every hundred maunds up to three hundred maunds of measurement, and one day for every two hundred maunds above three hundred maunds.

*Tolly's Nala boats.*—Two days for first hundred maunds, and one day for every hundred maunds above first hundred maunds.

*Soorahs outside Dhappa Lock.*—Same as for Tolly's Nala.

*Floats in either channels.*—Two days for any number of timbers not exceeding fifty, and one day for every additional fifty.

*Rafts in either channels.*—Two days for any number of bamboos not exceeding five hundred, and one day for every additional five hundred.

XV.—Every vessel, raft, or float remaining in any part of the aforesaid canals longer than the period allowed under the foregoing rules shall, for each day in excess of such period, be charged demurrage equal to one-half of the toll; and every vessel remaining more than thirty days in either of the canals shall, for each day in excess of thirty days, be charged demurrage equal to the full rate of toll, provided that in no case the demurrage charged shall exceed Rs. 5 per diem.

XVI.—Any vessel remaining in the canal more than two months without authority from the Supervisor shall be summarily removed.

XVII.—Boats requiring repairs shall be allowed to enter Dhappa Docks and remain there for a maximum period of thirty days, during which they will be charged at the rate of one-sixth part of the demurrage chargeable under Rule XV. Any boat remaining in the docks longer than thirty days without the special permission of the Supervisor shall pay demurrage at the full rate for such excess period.

XVIII.—No vessel shall be docked for repairs on the bank of the Calcutta Canal or of Tolly's Nala.

XIX.—Wherever mooring posts may have been put up by the Supervisor, vessels shall be made fast by the head and stern along the banks to such posts, and shall not be moored in any other manner.

XX.—The Supervisor may by notification prohibit the dropping of anchors or the putting up of bamboos or luggies in any part of the canals or on the banks; and in such parts no anchors shall be dropped, or luggies put up, under a penalty of fifty rupees, and of a fine not exceeding four rupees a day for continued disobedience of an order for removal issued by the Supervisor.

XXI.—Boats whilst loading or unloading in the canals will be allowed to use ladders; but the ladders must be gradually taken in as the water rises.

XXII.—As the water falls, the head and stern ropes must be loosened, and boats gradually pushed towards the centre of the canal: when the flood comes in, these two ropes must be gradually pulled in, and the boat kept as close to the bank as possible.

XXIII.—Only one boat shall be allowed to make fast along and in line with the canal banks, and no boat shall be made fast or be placed outside of boats so secured. No boat or raft shall be placed in such a position as to endanger the safety of other boats or obstruct the passage of other boats.

XXIV.—Boats passing through the canals shall keep in separate lines, empty boats keeping close to the bank and those that are laden in the centre.

XXV.—Hackeries, carts, bullocks, &c., using the canal roads shall, when stationary, be ranged on the side of the road farthest from the canal bank.

XXVI.—In portions of the canals where only one towing-path exists, vessels shall moor on the off side, and the towing-path side shall always be kept clear.

XXVII.—No persons shall place obstructions on the canal banks, roads, drains, or bridges (when such are on canal land), so as to impede a free passage along them or cause injury to them, or shall commit a nuisance, or deposit filth of any sort on the banks or in the canals.

XXVIII.—Any vessel, vehicle, or any other thing that may cause an obstruction to navigation, or to the banks, roads, drains, and bridges, or injury to the same, will be liable to be immediately removed and detained till all expenses incurred on account of removal, demands, and fines are paid. If a charge be not paid within ten days from date of detention, the said vessel, vehicle, or other thing will be sold to defray expenses.

XXIX.—“Whoever personally or by his or her servant infringes the provisions of any of the paragraphs 18, 19, and 20 to 27, both inclusive, of the foregoing rules, shall be liable, under section 11, Act V of 1864 (B.C.), to a fine not exceeding Rs. 50 for any one such infringement, or to a fine not exceeding Rs. 5 a day for a continued infringement.”

XXX.—At the instance of the Collector of Tolls, any Magistrate who imposes a fine under section 11 or 16 of the Act may award any portion of such fine to the informer.

XXXI.—Any person who wilfully or negligently allows a vessel to sink in the canals shall be liable to a fine not exceeding Rs. 50.

XXXII.—In every case of wreck caused by negligence or otherwise, the Supervisor and his subordinates will give every assistance in removing the same.

XXXIII.—A notice shall be affixed on such wreck when recovered, calling on those concerned to pay to the Collector all toll which may be due, or fine which may have been adjudged, as well as the expenses incurred in the recovery or removal of the wreck; and intimating that, if the sum be not paid within fifteen days of the date of notice, the boat and its furniture, or so much of it as may be necessary for the recovery of the dues, will be sold, the proceeds of the sale being dealt with as directed in section 9 of the Act.

XXXIV.—Every Canal Officer is authorized to remove any vessel, anchor, pole, or other thing which he may find in a position which is in contravention of these rules, and to deal with it in such a manner as may be necessary to give effect to the rules.

XXXV.—Whenever any laden vessel is seized by a Canal Officer, it shall be the duty of the Supervisor to give immediate notice of the same to the owner or his agent, requiring the removal of the cargo without delay, and informing him that he will be required to pay all expenses necessary for the proper custody and storage of the same.

XXXVI.—If the Supervisor be unable to ascertain the name and place of business or of abode of the owner of the cargo of any vessel or boat seized under the Canals Act, he shall notify the seizure by advertisement in his office, and in one or more of the Calcutta newspapers or advertisement papers. Such notice shall call upon the owner to cause the immediate removal of the cargo, and to pay any necessary expenses incurred in providing for its proper custody and storage.

XXXVII.—The Supervisor may incur whatever expense he may think necessary for the proper custody and storage of the cargo of any vessel seized under the Canals Act; and if the cargo be not removed within ten days from the date of seizure, he may sell the same at public auction to the highest bidder, after giving ten days' notice of the same by advertisement in one or more Calcutta newspapers or advertisement papers and affixed in his office.

XXXVIII.—The money realized at such a sale shall be applied first to defray any expenditure that may have been incurred by the Supervisor on account of the cargo sold, and the balance, if any, shall be held in deposit to be paid to the owner of the said cargo on his applying for the same.

C. W. ODLING,  
Joint-Secy. to the Govt. of Bengal.

[Second Publication.]

IRRIGATION.

The 17th January 1893.

No. 12.—*Notification*.—In supersession of the rates of tolls fixed by Notification No. 286, dated 2nd August 1886, published at page 906, Part I of the *Calcutta Gazette* of the 4th August 1886, the Lieutenant-Governor of Bengal proposes, under section VI of Act V (B.C.) of 1864, to fix the following revised rates of tolls to be levied, on and after the 1st April 1893, on the undermentioned canals and channels:—

I.—The Circular Canal, comprising the whole of the still-water canal between the Dhappa and Chitpore Locks, together with its junction with the river Hooghly and the Orange Soorah at Dhappa.

II.—The Central Lake Channel from its junction with the Calcutta Canal at the Dhappa Lock to its junction with the Biddiadharee river at Bamunghatta.

III.—The Nowbhangha Khal, extending northwards for a mile from its junction with the Central Lake Channel below the Dhappa Lock.

IV.—The Soorah from its junction with the Central Lake Channel below the Dhappa Lock, and extending to the fish market situated adjacent to, and to the west of the Dhappa Inspector's residence.



V.—Tolly's Nala, extending from a line drawn across the nala 25 feet west of the Hastings bridge at Kidderpore to the Biddiadharee river at Samookpotta.

No.	DESCRIPTION OF VESSELS.	ENTERING THE CALCUTTA CANALS AT CHITPORE OR TOLLY'S NALA AT KIDDERPORE OR CHETLA.		Entering the Calcutta Canals or Tolly's Nala from the eastward.	Saltos entering Tolly's Nala at Russa or Chetla.	At Dhappa, Russa, and Gurreah, going east if not cleared by the toll paid at Chitpore or Kidderpore.
		If not proceeding further eastward than Dhappa or Russa or to river Hooghly.	If proceeding further eastward than Dhappa or Russa.			
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1	On all boats, steamers, or other vessels, except those laden with rice, lime, or firewood per 100 maunds tonnage by canal measurement	0 11 0	1 12 0	1 12 0	1 12 0	....
2	On all boats, steamers, or other vessels laden with rice, per 100 maunds tonnage	0 12 0	1 8 0	1 8 0	.....	....
3	On all boats, steamers, or other vessels laden with lime or firewood, per 100 maunds canal measurement	0 8 0	1 0 0	1 0 0	1 0 0	.....
4	On floats of roughly squared timbers, each timber	0 3 0	0 6 0	0 6 0	....	.....
5	On floats of unwrought timber, each timber	0 1 6	0 3 0	0 3 0	.....	.....
6	On rafts of bamboos for each hundred or portion of each hundred	0 1 6	0 3 0	0 3 0	.....	.....
7	On saltos under 25 maunds by measurement entering by Russa toll station	.....	.....	.....	0 8 0	....
8	On saltos of 25 maunds and less than 50 maunds by measurement entering by Russa toll station	.....	.....	.....	1 0 0	.....
	Larger saltos will be charged at the rate given in No. 1 above.					
9	Minimum toll on all boats, floats, or rafts	0 4 0	0 4 0	0 4 0	0 4 0	0 1 6
10	Toll on all boats, steamers, or vessels laden or empty which have already paid toll and are returning eastwards per 100 maunds tonnage	.....	.....	.....	.....	0 12 0
11	Monthly tickets at six times the ordinary toll as calculated by the above rates are, at the option of the payers, issued to boats carrying perishable articles going to Chitpore, Gurreah, or to the fish Soorah at Dhappa.					
12	<i>Excess tolls.</i> —Vessels which are passing through the canals, and which enter either empty or partially loaded, are liable to pay excess tolls at the above rates, if their tonnage by canal measurement is greater when they are leaving the canals than it was when they entered them. Vessels entering at Chitpore, Kidderpore, and Chetla for the purpose of loading in the canals pay at the time of entry with reference to their line of usual immersion according to canal rules.					
	<i>Demurrage.</i> —Every vessel, raft, or float, which has paid toll, shall be allowed three days for passing through Circular Canal, and two days for Tolly's Nala between Gurreah and Kidderpore, and three days for Soorahs outside Dhappa Lock, the days of entering and leaving being both included. In addition to these three days, they may without further payment, remain in the canals for the further undermentioned periods, that is to say:— <i>Circular Canal boats.</i> —One day for every hundred maunds up to three hundred maunds of measurement, and one day for every two hundred maunds above three hundred maunds. <i>Tolly's Nala boats.</i> —Two days for first hundred maunds and one day for every hundred maunds above first hundred maunds. <i>Soorah's outside Dhappa Lock.</i> —Same as for Tolly's Nala. <i>Boats in either channels.</i> —Two days for any number of timbers not exceeding fifty, and one day for every additional fifty. <i>Rafts in either channels.</i> —Two days for any number of bamboos not exceeding five hundred, and one day for every additional five hundred.					
	Every vessel, raft, or float remaining in any part of the aforesaid canals longer than the period alluded to under the foregoing rules shall, for each day in excess of such period, be charged demurrage equal to one-half of the toll; and every vessel remaining more than thirty days, in either of the canals, shall, for each day in excess of thirty days, be charged demurrage equal to the full rate of toll, provided that in no case the demurrage charged shall exceed Rs. 5 per cent.					
	<i>NOTE.</i> —Open dinghies accompanying large boats are entitled to the same demurrage allowance of time as the parent boats.					
	Steamers or flats passing through the lower Sunderbans channels pay tolls at the rate of Rs. 5 (five) each before leaving and on return to Calcutta.					

C. W. ODLING,  
Joint-Secy. to the Govt. of Bengal.

## GOVERNMENT OF BENGAL,—MARINE DEPARTMENT.

The 18th January 1893.

*No. 3 Marine.*—The notifications of this Department, dated the 21st February and 26th March 1881, delegating the powers of the Local Government, under Chapter II of Act VII of 1880 (with the exception of the powers conferred by sections 14 and 15 and the power of making rules), to the Commissioners of the Port of Calcutta, and approving of the appointment of *ex-officio* detaining officers under the Act, are hereby cancelled.

*No. 4 Marine.*—In supersession of the notification, dated the 26th March 1881, published in Part I, page 374 of the *Calcutta Gazette* of the 30th idem, and in continuation of notification No. 3 Marine, of this date, the Lieutenant-Governor, in exercise of the power conferred by section 11 of Act VII of 1880, is pleased to appoint the Port Officer of Calcutta to be *ex-officio* detaining officer within the limits of the jurisdiction of the Commissioners of the Port of Calcutta as Conservators of the Port.

C. W. ODLING,  
Joint-Secy. to the Govt. of Bengal.

*The 24th January 1893.*

**No. 5 Marine.**—It is hereby notified that, under the provisions of section 6, sub-section (2) of the Calcutta Port Act, 1890, Mr. E. Trelawny, Superintendent of the Peninsular and Oriental Steam Navigation Company, has been elected by the Members of the Bengal Chamber of Commerce to be a Commissioner of the Port of Calcutta, *vice* Mr. R. Steel, resigned.

C. W. ODING,  
*Secy. to the Govt. of Bengal,*  
*Marine Dept.*

## JAIL DEPARTMENT.

**No. 515, dated the 18th January 1893.**—Assistant Surgeon Behari Lal Pal made over charge of the Nadia Jail to Surgeon-Major G. M. Shewan on the afternoon of the 27th December 1892.

A. D. LARMORE,  
*For Insp.-Genl. of Jails, Bengal.*

## CIVIL MEDICAL DEPARTMENT, BENGAL.

**No. 660, dated 19th January 1893.**—Assistant Surgeon Surendra Nath Neoger, of the Siwan sub-division and dispensary, did supernumerary duty at the Medical College Hospital, Calcutta, from the 28th October to the 12th November 1892, both days inclusive.

**No. 753, dated 21st January 1893.**—Assistant Surgeon Busanta Kumar Sen is appointed to do supernumerary duty at the Medical College Hospital, Calcutta, until further orders.

J. G. PILCHER, *Surgeon-Colonel,*  
*Offg. Insp.-Genl. of Civil Hospitals, Bengal.*

## TREASURY NOTICES.

### NOTIFICATION.

UNCOVENANTED DEPUTY COLLECTOR MAULVI SYED MAJIDAR RAHMAN has been placed in charge of the Muzaffarpur Treasury and is authorized to draw bills on other Treasuries.

A. A. WACE, *Additional Commissioner.*

UNCOVENANTED DEPUTY COLLECTOR MAULVI SYED MAHOMED has been placed in charge of the Patna Treasury, and is authorised to draw bills on other treasuries.

A. A. WACE, *Addl. Commr.*

PATNA COMM. 'S OFFICE, BANKIPUR, the 31st December 1892.

### Dates of Criminal Sessions for the year 1893.

Number of Sessions.				Day of the week.		Date.	
First	Sessions	...	...	Monday	...	February	20th.
Second	"	...	...	Ditto	...	May	1st.
Third	"	...	...	Ditto	...	July	10th.

Dates of the Fourth and Fifth Sessions will be notified hereafter.

By order,  
J. G. APCAR, *Clerk of the Crown.*

HIGH COURT, CROWN OFFICE, the 5th January 1893.

### Sheriff's Office, the 11th January 1893.

NOTICE is hereby given that the First Criminal Sessions of the year 1893 of the High Court of Judicature at Fort William in Bengal, for the Town of Calcutta and Factory of Fort William, and the places subordinate thereto, will be holden at the Court-house, in the Town of Calcutta, on Monday, the twentieth day of February next, at 11 o'clock in the forenoon, and so on from day to day, until the said Sessions be over. And it is hereby proclaimed that all persons who will prosecute any of the prisoners to be brought up for trial at the said Sessions be present then and there to prosecute.

R. D. MEHTA, *Sheriff.*

শরিক আকিস, সন ১৮৯৩ সাল তারিখ ১১ ই জানুয়ারি।

সকলকে সমাচার দেওয়া যাইতেছে যে হুবে বাজার কোর্ট উইলিয়ম হুগের অধীন শহর কলিকাতার ও অন্যান্য স্থানের কোর্জদারী বিচার নিষ্পত্তি জন্য আগামী সন ১৮৯৩ সালের ২০.৮ কেজুয়ারি সোমবার বেলা ১১ ঘটিকার সময় এবং যে পর্যন্ত সেশিয়ানের কার্য শেষ না হয় প্রতিদিন উক্ত সময়ে কলিকাতার হাই কোর্টের আপন আদালত ঘরে সন ১৮৯৩ সালের প্রথম কমিনেল সেশিয়ান বসিবেক এবং এতদ্বারা প্রচার করা যাইতেছে যে, যে সকল ব্যক্তি কোন কয়েদির বিরুদ্ধে কোর্জদারী বিসিল করিবেক তাহার উক্ত স্থানে উক্ত সময়ে হাজির থাকিলা যোকদ্দম করে ইতি।

আরঃ ডিঃ মেটা. শরিক।

## EDUCATION DEPARTMENT, BENGAL.

### Subordinate Educational Service.

*The 16th January 1893.*—Babu Jadu Nath Chandhuri, a Sub-Inspector of Schools under the District Board of Nadia (class VI), was granted by the Board privilege leave of absence for one month, under Article 291 of the Civil Service Regulations, with effect from the 21st November 1892.

*The 17th January 1893.*—Babu Uday Chandra Banerjee, third clerk in the office of the Inspector of Schools, Presidency Circle, acted as second clerk in the same office and in class VI from the 6th to the 8th January 1893, both days inclusive, *vide* Babu Jogeswar Ghosh, promoted.

*The 19th January 1893.*—Babu Mahendra Nath Datta, Deputy Inspector of Schools, Pabna (class V), is allowed leave of absence for two months, under Article 294 of the Civil Service Regulations, with effect from the 9th January 1893, or such date as he may have availed himself of it.

*The 21st January 1893.*—The late Babu Sri Nath Mitra, Departmental Sub-Inspector of Schools, Midnapore (class VI), was absent on leave, under Article 291 of the Civil Service Regulations, from the 1st to the 27th December 1892, both days inclusive.

C. A. MARTIN,

*Offg. Director of Public Instruction, Bengal.*

### Calcutta University.

#### NOTICE.

It is hereby notified for general information that a Convocation of the University of Calcutta for conferring degrees will be held at the Senate House, College Square, on Saturday, the 25th January, at 2-30 P.M.

Graduates of the University in academic costume are admissible, on presenting themselves at the Senate House, at 1 P.M.

W. GRIFFITHS, *Offg. Registrar.*

SENATE HOUSE, the 16th January 1893.

## NOTIFICATIONS OF THE BOARD OF REVENUE.

No. 2056B.

NOTICE is hereby given that the Second Sale of Opium, the provision of 1890-91, will be held at the Government Opium Sale-room, No. 2, Bankshall Street, on Wednesday, the 1st February 1893, at 11 A.M., and will comprise 3,642 chests, viz.—

			Chestrs.
Opium manufactured at the Patna Factory	...	...	1,927
Ditto ditto at the Ghazepore Factory	...	...	1,715
Total	...	...	3,642

2nd.—The general conditions of the sale now advertised will be the same as usual. They may be ascertained by reference to the Notification issued on the 24th November 1892, and published in the *Government and Exchange Gazettes*, or on personal application at the Office of the Board of Revenue.

3rd.—The latest dates for deposit and clearance will be the 6th and 16th February 1893, respectively, that is to say, no Bank of Bengal Receipts, Government Promissory Notes, or other public securities that may be tendered for deposit in redemption of Promissory Notes given by purchasers in the Sale-room will be received after 3-30 P.M. of Monday, the 6th February 1893, and no Bank of Bengal Receipts in full payment of lots will be accepted after 3-30 P.M. of Thursday, the 16th February 1893.

4th.—In addition to the quantity above advertised for sale, the following quantities, more or less, of the opium manufactured at the Patna and Ghazepore Factories will be brought to sale down to December next about the dates specified below. The Board of Revenue, however, reserve to themselves the right of altering these dates should circumstances render it expedient to do so—

DATES.			Manufactured at the Patna Factory; about chests.	Manufactured at the Ghazepore Factory; about chests.	Total about chests.
On or about Monday,	6th March	1893	1,927	1,715	3,642
On or about Tuesday,	4th April	"	1,927	1,715	3,642
On or about Monday,	1st May	"	1,927	1,715	3,642
On or about Thursday,	1st June	"	1,927	1,715	3,642
On or about Monday,	3rd July	"	1,927	1,715	3,642
On or about Wednesday,	2nd August	"	1,927	1,715	3,642
On or about Friday,	1st September	"	1,927	1,715	3,652
On or about Thursday,	5th October	"	1,927	1,715	3,642
On or about Wednesday,	1st November	"	1,927	1,715	3,642
On or about Friday,	1st December	"	1,927	1,715	3,642
Total			19,270	17,150	36,420

By order of the Board of Revenue, L.P.,

T. INGLIS, *Secretary*.

BOARD OF REVENUE, L.P., FORT WILLIAM, the 20th December 1892.

#### No 66B.

It is hereby notified, for the information of the public, that the standard of consistence at which provision opium is manufactured at the Ghazipur

OPUM.

D. R. LYALL, Esq., C.S.I.

The provision of the season 1891-92, which has been manufactured under the new standard consistence, will be first offered for sale in May 1893, when 861 chests will be sold.

By order of the Board of Revenue, L.P.,

T. INGLIS, *Secretary*.

CALCUTTA, the 12th January 1893.

#### No. 68B.

An examination of the provision opium of 1891-92, received from the Patna and Ghazipur Factories, will be held at the new Opium Range, No. 14,

OPUM.

D. R. LYALL, Esq., C.S.I.

Strand, on Thursday, the 26th January 1893, at 11 A.M. Merchants, dealers and others interested in opium are invited to attend.

By order of the Board of Revenue, L.P.,

T. INGLIS, *Secretary*.

CALCUTTA, the 12th January 1893.

#### NOTIFICATION.

IN supersession of the orders contained in the Board's Notification No. 3411, dated 1st March 1892, published in the *Calcutta Gazette* of the 2nd idem, Part I, page 285, it is hereby notified to all whom it may concern, under the provisions of the Sea Customs Act, 1878, that the Collector of Customs, Chittagong, is ordinarily prohibited from granting permission to work cargo in sea-going vessels on Sundays. He shall, however, give written permission in the following cases:—

I.—When the vessel is a mail or regular steamer which calls at the port at fixed intervals.

II.—When the vessel is a native brig on which no European is employed.

III.—When the application is made to discharge or load live-stock, ship's stores, ballast or coal for the ship's use.

2. These orders do not modify the existing orders under which a fee of Rs. 6 is charged for the services of the Inspector and Preventive Officer, or the orders contained in the Resolution of Government, in the Financial Department, dated the 24th September 1888, under which a fee of Rs. 100 is payable on Christmas Day, Good Friday, Queen's Birthday, and the 1st of January, in addition to the ordinary fee for the Inspector and the Preventive Officer.

By order of the Board of Revenue, L.P.,

T. INGLIS, *Secretary*.

CALCUTTA, the 3rd January 1893.

## NOTICE.

THE following abandoned and confiscated salt will be sold by public auction on account of Government at noon of the 31st instant at the Office of the Superintendent, Preventive Service and Sulkea Golahs, at the Custom House, where samples can be seen.

The purchasers will be required to make a deposit of one-fourth the amount of purchase-money immediately after the sale is effected, and to remove the salt within one week from the date of sale, after which the deposit-money will be forfeited and the salt resold at the risk of the former purchasers:—

Description of salt.	Quantity.		
	Mds.	s.	c.
Liverpool Panga	121	39	12
Hamburg	330	0	0
Aden crushed	32	0	0
Bombay Karkach	96	0	0
Aden	8	0	0
Linga and Saliff	50	0	0
Fongies	6	0	0
Total	643	39	12

C. R. MARRIOTT, Collector of Customs.

CUSTOM HOUSE, CALCUTTA, the 17th January 1893.

Statement showing the Importation of Salt (private property) in bond and afloat on the River Hugli, subject to Customs Duty, on the 15th January 1893.

DESCRIPTION OF SALT.	Government golahs.	Private golahs.	Afloat.	Total.
	Mds.		Mds.	Mds.
Liverpool Punga	1,54,980	.....	7,88,533	9,73,513
Bombay Karkach	49,089	.....	27,270	76,359
Arabian and Persian Gulfa Karkach and Muscat Rock	3,32,727	.....	.....	3,32,727
Aden Karkach	1,30,589	.....	.....	1,30,589
Hamburg salt	103	.....	43,501	43,604
Tuticorin salt	37,968	.....	.....	37,968
Total	7,35,456	.....	8,59,304	15,94,760

By order of the Board of Revenue, L.P.,

C. R. MARRIOTT, Collector of Customs.

CUSTOM HOUSE, CALCUTTA, the 24th January 1893.

## ELECTION OF MUNICIPAL COMMISSIONERS.

## NOTIFICATION.

It is hereby notified for general information that, under section 9, Act III (B.C.) of 1885, the following gentlemen have been elected at the recent general elections as members of the Tamluk Local Board, in the district of Midnapore:—

Thanas for which elected.

Names of members.

Panskura	...	...	{ Babu Upendra Nath Misri. " Gopi Nath Mozumdar. Muushi Abdul Mojid Osman.
Tamluk	...	...	{ Babu Fakir Chandra Basu. " Ram Taruk Mukerji. " Nilmoni Mandal.
Mohisadal	...	...	{ " Baikanta Nath Mana. " Radha Nath Bhunga. " Eshan Chandra Maity.
Sutabata	...	...	{ " Shyama Charan Tripathy. " Mir Khadem Ali.
Nundigram	...	...	{ Munshi Hera Lal Khan.

PRAN KUMAR DAS, Personal Asst., for Commr. on tour.

BURDWAN COMM. 'S OFFICE, the 14th January 1893.

## NOTIFICATION.

It is hereby notified, under Rule 21 of the revised Election Rules, for general information, that an election will be held on the 10th March 1893, under section 27 of Act III (B.C.) of 1884, in Ward No. II of the Nasirabad Municipality, in the district of Mymensingh, for the election of a Commissioner, *vide* Babu Kishori Mohun Bakshi, resigned.

OKHOY COOMAR SEN, *Persl. Asst., for Commr.*

DACCA COMM'R.'S OFFICE, the 16th January 1893.

## NOTIFICATION.

It is hereby notified for general information that, at the election held under section 27, Act III (B.C.) of 1884, on Wednesday, the 11th January 1893, Babu Nabin Chandra Banerji, a Pleader, was elected a Commissioner for Ward No. II of the Suri Municipality, in the district of Birbhum, *vide* Babu Hari Mohon Bhattacharji, resigned.

PRAN KUMAR DAS, *Persl. Asst., for Commr. on tour.*

COMM'R.'S OFFICE, BURDWAN DIVN., the 21st January 1893.

## NOTIFICATION.

It is hereby notified for general information that, under section 9, Act III (B.C.) of 1885, the following gentlemen have been elected at the recent general elections as members of the Local Boards in the district of Hooghly:—

Local Board of	Thanas for which elected.	Names of members.
Hooghly ...	Hooghly ...	Babu Sriram Chandra Sarkar.
	Pandua ...	Upendra Lal Basu.
	Polba ...	Radhika Prosad Sinha.
	Ballagur ...	Gokul Krishna Sinha.
	Dhaniakhali ...	Lala Bidhu Bhusan Babu.
		Babu Benode Behari Banerji.
Serampore ...	Haripal ...	Sarat Chandra Ghose.
	Kritonagore ...	Sriram Chandra Basu.
		Maulvi Abdul Malik.
	Chanditalla ...	Babu Girish Chandra Mukerji.
	Singoor ...	Jnanendra Nath Sinha Roy.
		Bamapada Sinha Roy.
Jahanabad ...		Munshi Mahammad.
		Kazi Basiar Rahaman.
		Babu Harendra Krishna Mukerji.
		Parameswar Mukerji.
		Kashipati Chaudhri.
		Kumud Nath Sinha Roy.
Khanakul ...		Parun Chandra Mukerji.
		Kedar Nath Nath.
		Sarveswar Pal.
		Sita Chandra Banerji.
Goghat ...		Bhaja Hari Ghose.
		Harish Chandra Bhattacharji.
		Lalit Mohon Mitra.

PRAN KUMAR DAS, *Persl. Asst., for Commr. on tour.*

BURDWAN COMM'R.'S OFFICE, the 14th January 1893.





# The Calcutta Gazette.

WEDNESDAY, JANUARY 25, 1893.

## PART I A.

### Orders and Notifications by the Government of India, &c.

[Reprinted from the "Gazette of India."]

The following order, issued by the Government of India, Finance and Commerce Department, is republished for general information.

H. J. S. COTTON,  
*Chief Secy. to the Govt. of Bengal.*

#### LEAVE AND APPOINTMENTS.

*The 20th January 1893.*

No. 299P.—The following promotions and reversions of officers of the Account Department during the month of December 1892 are notified :—

With effect from the 10th December 1892 :—

Mr. J. C. E. Branson to officiate in class I.

With effect from the 13th December 1892 :—

Mr. C. E. Crawley to revert to class III.

STEPHEN JACOB,  
*Offg. Secy. to the Govt. of India.*

The following order, issued by the Government of India in the Military Department, is republished for general information.

H. J. S. COTTON,  
*Chief Secy. to the Govt. of Bengal.*

*Fort William, the 20th January 1893.*

#### VOLUNTEER CORPS.

##### RESIGNATIONS.

No. 73.—*Presidency Volunteer Rifle Battalion—*

Lieutenant H. N. Lowther resigns his commission, with effect from the 15th December 1892.

F. H. H. COLLEN,  
*Secy. to the Govt. of India.*







# The Calcutta Gazette.

WEDNESDAY, JANUARY 25, 1893.

## PART IB.

### ORDERS BY THE LIEUT.-GOVERNOR OF BENGAL.

#### MUNICIPAL AND LOCAL.

##### NOTIFICATION.

*No. 245M.—The 19th January 1893.*—In supersession of the notification No. 175M., dated the 13th January 1893, published at page 9, Part IB of the *Calcutta Gazette* of the 18th idem, it is hereby notified that, under section 2 of Bengal Act IV of 1871 (the Puri Lodging-house Act), as amended by Bengal Act II of 1879, the Lieutenant-Governor is pleased to appoint Assistant Surgeon Benode Behary Dass to be Health Officer under the Act at Sitakund, in the district of Chittagong.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

##### NOTIFICATION.

*No. 269L.S.-G.—The 20th January 1893.*—It is hereby notified for general information that, under section 6(b) of the Bengal Ferries Act I of 1885, the Lieutenant-Governor is pleased to take possession of the undermentioned ferries in the district of Pabna and to declare them to be public ferries :—

No.	Name of ferry.	River or water-courses over which the ferry plies.	District road on which the ferry is situated.
1	Ataikula	Ichamati river	On the 13th mile of the road from Natoonbazar to Daulawari.
2	Sauthya	Sauthya Jola	On the 21st mile of the road from Ataikula to Bera.
3	Bhowanipur	Ratnai river	On the 13th mile of the road from Ranigaon to Chatmohar.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

##### NOTIFICATION.

*No. 270L.S.-G.—The 20th January 1893.*—It is hereby notified that the Lieutenant-Governor is pleased, in the exercise of the power conferred on him by section 35 of the Bengal Ferries Act I of 1885, to direct that the ferries named below, which are situated in the district of Pabna, shall be managed by the District Board of Pabna, and that all pro-

ceeds of the ferries, and all the fines levied and compensation received under the said Act in respect thereof, shall be paid into the district fund with effect from the date of this notification :—

No.	Name of ferry.	Name of river or water-course over which the ferry plies.	Situation of the ferry.
1	Ataikula ...	Ichamati river ...	On the 13th mile of the road from Natoonbazar to Dhulawari.
2	Santhya ...	Santhya Jola ...	On the 21st mile of the road from Ataikula to Bera.
3	Bhowanipur ...	Ratnai river ...	On the 13th mile of the road from Ranigaon to Chatmohar.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

#### NOTIFICATION.

*No. 272 L.S.-G.—The 20th January 1893.*—It is hereby notified that, under section 19 of the Bengal Local Self-Government Act III of 1885, the Lieutenant-Governor is pleased to appoint Maulvi Bahadur Ali to be a member of the Kishenganj Local Board, in the district of Purnea, *vice* Nawab Syed Ata Hosain, deceased.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

#### NOTIFICATION.

*No. 280 L.S.-G.—The 22nd January 1893.*—It is hereby notified that, under Rule 32 of the rules made under clause (a), section 138 of the Bengal Local Self-Government Act III of 1885, the Lieutenant-Governor is pleased to fix Wednesday, the 5th April 1893, as the date for holding an election, under section 19 of the Act, in thana Kalaroa, in the district of Khulna, for the purpose of filling up the vacancy in the representation of that thana on the Local Board of Satkhira caused by the death of Babu Gopal Chandra Roy Chowdhury.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

#### NOTIFICATION.

*No. 285 M.—The 22nd January 1893.*—It is hereby notified that, under section 27 of the Bengal Municipal Act III of 1884, the Lieutenant-Governor is pleased to appoint Surgeon-Captain W. J. Buchanan, Civil Surgeon, to be a Commissioner of the Midnapore Municipality, *vice* Dr. R. L. Dutt, transferred.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

#### NOTIFICATION.

*No. 287 L.S.-G.—The 22nd January 1893.*—It is hereby notified that, under section 19 of the Bengal Local Self-Government Act III of 1885, the Lieutenant-Governor is pleased to appoint Mr. Herbert Christian to be a member of the Madhipura Local Board, in the district of Bhagalpur, *vice* Babu Jogesh Chandra Bagchi, resigned.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

#### NOTIFICATION.

*No. 293 L.S.-G.—The 22nd January 1893.*—It is hereby notified that the members of the Buxar Local Board, in the district of Shahabad, having at a meeting, under sections 25 and 29 of the Bengal Local Self-Government Act III of 1885, requested the Lieutenant-Governor to appoint a Chairman, the Lieutenant-Governor is pleased under the said sections to appoint Mr. C. E. A. W. Oldham, Sub-divisional Officer, to be Chairman of that Local Board, *vice* Mr. J. Lang, transferred.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.

*No. 295M.—The 22nd January 1893.*—It is hereby notified that, under section 27 of Bengal Municipal Act III of 1881, the Lieutenant-Governor is pleased to appoint Aknouri Ram Lochan Sain to be a Commissioner of the Lohardaga Municipality, *vice* Babu Dukhit Singh.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.

*No. 320M.—The 24th January 1893.*—It is hereby notified that, under section 27 of the Bengal Municipal Act III of 1881, the Lieutenant-Governor is pleased to appoint Dr. E. A. W. Hall to be a Commissioner of the Chapra Municipality, in the district of Saran, *vice* Dr. D. G. Crawford.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.

*No. 321M.—The 24th January 1893.*—It is hereby notified that, under section 27 of the Bengal Municipal Act III of 1881, the Lieutenant-Governor is pleased to appoint Dr. E. A. W. Hall to be a Commissioner of the Revilganj Municipality, in the district of Saran, *vice* Dr. D. G. Crawford.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

## NOTIFICATION.

*No. 323M.—The 24th January 1893.*—It is hereby notified that, under section 27 of the Bengal Municipal Act III of 1881, the Lieutenant-Governor is pleased to appoint Babu Okhoy Coomar Sen to be a Commissioner of the Dacca Municipality, *vice* Rai Obhoy Chandra Das, Bahadur, deceased.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

## DECLARATION.

*No. 284M.—The 22nd January 1893.*—Whereas it appears to the Lieutenant-Governor of Bengal that land and a tank are required to be taken up by Government at the expense of the Howrah Municipality for a public purpose, viz., for water-supply under the jurisdiction of the Municipality of Howrah, pargana Paikan, zilla Hooghly, it is hereby declared that for the above purpose a piece of land and tank measuring, more or less, 4 bigahs and 8 chitaks, are required. The land with the tank is bounded on the North by Dhubapara Lane; on the South by land and dwelling and rented houses of Chimbash Ghose, Jadu Nath Mandul, Kailash Chandra Bej, Mohendra Nath Shahu, Badou Chandra Decree, and Kali Charan Ghose; on the East by Hooghly road, and on the West by Flour Mill compound of Wootum Chandra Ghose.

This declaration is made, under the provisions of section 6 of Act X of 1870, to all whom it may concern.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*

## DECLARATION.

*No. 291M.—The 22nd January 1893.*—Whereas it appears to the Lieutenant-Governor of Bengal that land is required to be taken up by Government at the public expense for a public purpose, viz., for the burial of filth from the Dum-Dum Cantonment, in the village of Gowripur, pargana Calcutta, zilla 24-Parganas, it is hereby declared that for the above purpose a piece of land measuring, more or less, 9 bigahs 16 cottahs and 10 chitaks of standard measurement, is required. The land is bounded on the North by the land and tank of Sheik Aman Ullah and the lands of Raj Kumar Bonerjee and Sadek Mondal; on the East by the Jessore road and the land of Sadek Mondal; on the South by the brickfield of Biswa Nath Maity and the jote land of Raghu Sheik and Bhola Nath Mistry, and on the West by the jote lands of Raghu Sheik and Bhola Nath Mistry and the land of Raj Kristo Bonerjee.

This declaration is made, under the provisions of section 6 of Act X of 1870, to all whom it may concern.

H. H. RISLEY,  
*Secy. to the Govt. of Bengal.*





# The Calcutta Gazette.

WEDNESDAY, JANUARY 25, 1893.

PART II.

Advertisements.

[N. B.—Advertisements, Notices, &c., intended for insertion in this part of the Gazette cannot be received after Noon on Monday.]

LAND SALE NOTICES.

NOTICE is hereby given, under sections 6 and 13, Act XI of 1859, that the undermentioned estates or shares of estates in the district of Cuttack will be put to sale at the Collector's Office of that district on the 10th March 1893 for arrears of revenue and other demands which, by law realizable as arrears of land revenue.

1	2	3	4	5	6	7	8	9
Taluk No.	Name of mahal and pargana.	Sadar jama of the whole estate.	Whether the whole estate is to be sold.	If only a share is to be sold, specification of such share or shares.	Names of proprietors of property to be sold.	If only a share is to be sold, the sadar jama of such share.	If the whole estate is to be sold, the arrears due from it.	If only a share is to be sold, the arrears due from it.
39	Taluk Kalimogha, pargana Jajpur.	Rs. A. P. 1,198 7 4	...	Kismut 9a. 1p. 19k. 5b. 14j. 2k.	Ayimanju Samantra Mahapatra and others.	Rs. A. P. 686 7 1½	Rs. A. P. .....	Rs. A. P. 61 2 6
401	Taluk Lakshminarsimpur, pargana Padmapur.	2,567 5 6	Whole estate.	...	Saraswati Dasi and others.	.....	226 6 11½	.....
462	Manza Padma pargana Subarna.	1,016 12 6½	Ditto	...	Chowdhury Baidhar Bantra.	.....	523 4 6½	.....
711	Taluk Mannda, pargana Simgira.	1,315 14 1	Ditto	...	Jagannath Sutra Mahapatra and others.	.....	7 14 7	.....
808	Arazi Dagra, maoza Coochmati, pargana Simgira.	631 4 0½	Ditto	...	Narayan Misra and Kanhu Charan Sahu and others.	.....	115 4 1½	.....
818	Manza Jaisingh, pargana Ali.	1,696 1 2	Ditto	...	Gopinath Sahu	.....	540 1 1	.....
818	Taluk Rajana, maoza Damka, pargana Kanchi khond.	822 4 4½	...	Kismut 15a. 6p.	Bhadranath Misra and others.	796 0 2½	.....	48 14 1½
3971	Thane Maunzir, pargana Ali.	1,512 5 8	Whole estate.	...	Jaganadan Mahapatra and others.	.....	56 12 0	.....
1315	Taluk Radhamohan, pargana Barman.	1,832 1 3	Ditto	...	Panna Dei, guardian to the minor Brajmandar Das and others.	.....	22 10 0	.....
1328	Taluk Uarbaran, pargana Barman.	530 4 9	...	Kismut 14a. 2p. 1k. 1½b. 6p. 2k. 2j.	Arjun Kir and others	522 14 11	.....	6 12 4
1841	Taluk Gobindapur, pargana Aitkadma.	1,075 2 5	Whole estate.	...	Maules Abdul Gani and others.	.....	161 4 1	.....
1973	Taluk Ruchunathpur, pargana Koudinda.	1,401 7 2½	...	Kismut 12a.	Dibyasingh Pahanj and others.	1,201 1 5	.....	400 5 10
1977	Taluk Ruchunathpur, pargana Koudinda.	667 3 1½	Whole estate.	...	Narsingha Pahanj and others.	.....	331 13 5	.....
2071	Taluk Sri-undarpur, pargana Sate.	980 2 0½	...	Kismut 12a. 1p. 2k. 1½b. 10p. 1j.	Chowdhury Kasimath Das, Suryamoni Dei and others.	749 0 8½	.....	32 3 4
2196	Taluk Tolung, pargana Kismat.	2,722 9 11	Whole estate.	...	Rao Suba Raj, Subat of Surman, Thakur, Srimatya Subachona Das.	.....	1,561 5 0	.....
2457	Kilich Dhaltang, pargana Jhankar.	1,224 4 6½	Ditto	...	Babaram Das Bhagat and others.	.....	610 10 2½	.....
5198	Taluk Birtol, pargana Jhankar.	2,027 12 1	Ditto	...	Baido Lall Bhagat and others.	.....	1,314 2 0	.....
2463	Taluk Puting, pargana Jhankar.	1,819 14 9½	Ditto	...	Baido Lall Bhagat and others.	.....	924 15 5½	.....
2454	Taluk Ludhna, pargana Jhankar.	3,707 1 2	Ditto	...	Subachona Dasi	.....	1,851 3 2	.....
2455	Taluk Birtol, pargana Jhankar.	2,629 0 1	...	Kismut 14a. 3p. 1½k. 6b. 15p. 2k. 1j.	Suryamoni Dei and others.	2,245 9 6½	.....	958 4 3
3130	Taluk Puting, pargana Jhankar.	1,846 7 8	...	Kismut 13a. 1p. 1½b. 9j. 1k.	Suryamoni Dei and others.	1,516 9 1½	.....	756 9 1½
2428	Taluk Bimbar, pargana Bakmabud.	2,886 15 8½	Whole estate.	...	Behari Lall Pandit and others.	.....	902 3 6	.....
2023	Taluk Malpur, pargana Pandit.	1,355 6 9	...	Kismut 12a.	Dibyasingh Pahanj and others.	1,016 9 1	.....	378 13 1
2099	Taluk Pukhand, pargana Dagan.	808 2 0½	Whole estate.	...	Anant Charan Mahapatra and Jagor mand Mahapatra and others.	.....	71 2 9½	.....
2044	Manza Kasarada, pargana Deogan.	990 10 1	...	Kismut 15a. 11p. 3k. 7j.	Gopinath Mahapatra and others.	955 11 0	.....	0 9 4
2671	Taluk Nadi, pargana Deogan.	1,132 15 6½	...	Kismut 15a. 2k.	Tarunprasad Rai and others.	1,064 8 6½	.....	278 2 8½
2673	Manza Anurjara, pargana Deogan.	849 11 3½	...	Kismut 15a. 1½p. 1k. 1k. 8b.	Jaganmand Mahapatra and others.	894 15 0½	.....	245 2 5½
3078	Taluk Nadi, pargana Deogan.	663 7 8½	...	Kismut 14a. 5p. 7k. 7b. 10j.	Jaganmand Mahapatra and others.	592 9 2	.....	85 12 1
2691	Taluk Udaruan, pargana Deogan.	1,956 6 5	...	Kismut 9a. 6p. 2k.	Chowdhury Gopchandran Das and others.	616 3 7	.....	20 9 6½
2538	Manza Eranu, pargana Deogan.	516 14 9	Whole estate.	...	Gopinath Mahapatra and others.	.....	1 4 0	.....
2804	Taluk Malpur, pargana Kagan.	710 3 3	Ditto	...	Jaganath Bharati Goswami and others.	.....	58 5 3	.....
2824	Taluk Uthmanu, pargana Simgira.	797 3 8½	Ditto	...	Nandakissore Kausoi and others.	.....	3 11 2	.....
2837	Taluk Gopinathpur, pargana Joymandar.	2,701 2 4	Ditto	...	Lalla Brajkumar Rai and others.	.....	1,350 9 2	.....
3308	Taluk Shamsundar, pargana Alayas.	1,579 8 11	...	Kismut 16a. 7p. 4k. 13b. 10p. 2k.	Hafizunnesa Bibi, Baghwanath Das and others.	1,11 4 6½	.....	178 7 8½
3502	Kismat maoza Jari, pargana Deogan.	572 8 0	Whole estate.	...	Pitambar Samal and others.	.....	6 8 4	.....
3508	Taluk Kapala, pargana Deogan.	754 1 1	Ditto	...	Birbudhar Samal and others.	.....	46 10 8	.....
3511	Manza Damodarpur, pargana Deogan.	673 8 1	...	Kismut 15a. 10p. 12k. 13b. 3k.	Chowdhury Bannaker Mahapatra and others.	608 11 9½	.....	330 10 5½
3509	Taluk Dasarthipur, pargana Katta.	591 9 4	Whole estate.	...	Munshi Abdul Gani and others.	.....	23 13 3	.....

Cuttack, the 10th January 1893.

F. S. HAMILTON, Cdyt. Deputy Collector in charge.

**District Charitable Society.**

*Abstract of Accounts for the month of December 1892.*

RECEIPTS.	From 1st January to 31st December 1892.		PAYMENTS.	From 1st January to 31st December 1892.	
	December 1892.	Rs. A. P.		December 1892.	Rs. A. P.
Subscriptions--					
From Government ..	1,200 0 0	14,400 0 0	District Committee, monthly grant ..	850 1 0	13,040 7 10
.. Calcutta Municipality ..	200 0 0	2,400 0 0	Native Committee, monthly grant ..	1,516 6 8	18,625 4 0
.. the Public ..	180 0 0	13,410 8 0	.. .. refund of deposit ..	122 0 0	905 8 0
Donations and new subscriptions ..	2,417 4 0	8,941 13 0	Commissioner of Police for casual relief and rations ..	3 8 0 0	4,773 10 8
Allowances towards cost of establishment--			Bookings Clerk, E. I. B., Howrah, for Ry. passes ..	10 0 0	1,020 0 0
From Government ..	250 0 0	3,000 0 0	Pensions paid through Central Office ..	311 0 0	3,850 0 0
.. Mutiny Relief Fund ..	50 0 0	600 0 0	Scholarship fees .. ditto ..	25 0 0	408 0 0
Alms House proceeds ..	51 15 6	712 12 0	Reserve Relief through President ..	.....	.....
Interest on Invested Fund ..	16 0 0	480 0 0	Alms House--Establishment ..	830 0 0	3,060 0 0
.. on Trust Funds ..	2,237 11 11	33,774 5 3	Dieting ..	937 5 0	11,705 7 8
Legacies ..	.....	125 0 0	Contingencies ..	138 4 0	1,480 10 0
Government grant for Lepor Asylum medicines ..	.....	.....	Boots and shoes ..	.....	1 9 0 0
Government grant for repairs of Alms House and Lepor Asylum ..	.....	.....	Clothing and bedding ..	41 8 0	553 1 0
Miscellaneous accounts ..	1 4 0	5 4 0	Municipal taxes ..	70 3 0	280 12 0
Mutiny Relief Fund for pensions ..	480 0 0	5,610 0 0	Repairs ..	.....	148 15 3
Deposits and Advances ..	672 12 4	1,363 15 8	Lepor Asylum--Establishment ..	186 0 0	2,282 0 0
Native Committee's Deposit ..	.....	510 8 0	Dieting ..	500 4 0	6,060 11 7
Refund on Special Relief Account ..	31 8 0	622 12 3	Contingencies and medicines ..	11 2 0	1,214 0 6
Sale of Government Security, General Fund ..	.....	10,373 0 4	Clothing and bedding ..	319 0 0	385 14 0
<i>N. B.</i> —Stock of Unn Charan Set Fund in G. P. N. B., 600.			Municipal taxes ..	25 6 6	98 10 0
			Repairs ..	.....	39 12 9
			Central Office--Establishment ..	554 8 0	6,654 0 0
			Commission on collections ..	14 11 0	379 3 3
			Auditing fees ..	.....	450 0 0
			Rent ..	15 0 0	420 0 0
			Contingencies ..	113 3 3	1,317 14 4
			Printing and advertising ..	61 8 0	1,220 0 6
			Interest on overdraft ..	52 4 10	507 3 4
			Bank's commission ..	3 9 7	55 12 9
			Law charges ..	.....	.....
			Mutiny Relief Fund pensions ..	140 6 0	5,088 0 0
			Deposits and advances ..	140 5 2	2,795 0 7
			Special Relief (on Casual Relief Orders) ..	49 4 0	54 4 0
Total ..	8,117 8 3	95,370 0 0	Total ..	7,457 7 6	91,765 8 11

## MEMO.

	Rs.	A.	P.		Rs.	A.	P.
Receipts as above	96,370	0	0	Payments as above	91,765	8	11
Overdraft in Bank of Bengal on the 31st December 1902, Rs. 14,025-5-0, less Rs. 740-8-9, cash balance on that date	13,284	13	3	Overdraft in Bank of Bengal on 31st December 1901, Rs. 18,271-0-2, less Rs. 344-11-10, cash balance on that date	17,926	4	6
<b>Total</b>	<b>1,09,654</b>	<b>13</b>	<b>3</b>	<b>Total</b>	<b>1,09,691</b>	<b>13</b>	<b>3</b>

**CALCETTA,**  
*The 18th January 1893*

K. MALLIKA,  
*Accountant.*

PATRICK MCGUIRE,  
*Secretary.*

Statement of the Affairs of the Bank of Bengal for the week ending 17th  
January 1893.

LIABILITIES.				ASSETS.			
	Rs.	A.	P.		Rs.	A.	P.
Capital paid-up	2,00,00,000	0	0	Government Securities	39,72,961	0	0
Reserve Fund	49,00,000	0	0	Other authorized investments	53,19,982	4	0
Public Deposits at Head Office	72,01,076	15	0	Loans on Government and other authorized Securities	1,10,00,989	4	2
Ditto ditto at Branches	76,93,736	5	1	Accounts of credit on ditto ditto	87,05,781	8	8
Other Deposits at Head Office and Branches	4,90,69,410	6	3	Bills discounted and purchased	2,58,58,671	1	0
Bank Post Bills, &c.	4,01,369	11	6	Balances with other banks	12,76,772	1	8
Sundries	29,42,561	10	0	Bullion	2,71,096	10	2
				Dead Stock	12,25,606	9	6
				Stamps	10,876	14	3
				Sundries	19,45,401	3	4
					5,96,58,615	1	10
				Cash & Currency Notes at Head Office	97,93,611	1	6
				Cash & Currency Notes at Branches	2,27,55,878	15	6
	9,22,08,135	2	10		3,25,49,490	1	0
					Rupees	9,22,08,135	2 10

By order of the Directors,

**E. J. BIRCH, Offg. Chief Asstt.**  
**Rate for Demand Loans 6 per cent.**  
**Percentage 48.3.**

W. D. CRICKSTANE,  
Secretary and Treasurer.

**BANK OF BENGAL,**  
**Calcutta, 10th January 1893**



*Statement of Government Promissory Notes enforced for payment of Interest in London, under deduction of amount retransferred to India, and outstanding in the Books of the Bank of Bengal on the 15th January 1893.*

PARTICULARS.	4 PER CENT. LOANS					4½ PER CENT. LOANS			Transfer loan of seven shillings per cent. 1855-57. portion.	5 per cent. loan of 1855-57. GRAND TOTAL.					
	3½ per cent. transfer loan of 1853-54.	Of 1852-53.	Of 1853-54.	Of 1854-55.	Transfer of 1855.	Reduced 4 per cent. loan of 1878.	Total.	Of 1878.			Transfer loan of 1878-79. portion.	Total.			
Balance of 31st December 1892	55,200	12,31,893	21,02,500	3,53,69,400	15,98,60,800	4,00,50,000	1,91,03,000	25,75,95,503	36,000	2,24,700	61,02,600	64,53,700	1,34,900	31,200	26,45,10,083
ADD—															
Amount enforced at Madras between 1st and 15th January 1893	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Amount enforced at Bombay between 1st and 15th January 1893	.....	.....	.....	11,000	3,00,200	16,000	27,500	3,54,700	.....	.....	.....	.....	.....	.....	3,59,700
Amount enforced at Calcutta between 1st and 15th January 1893	.....	.....	.....	2,36,200	2,73,000	1,61,100	.....	7,39,300	.....	.....	.....	.....	.....	.....	7,26,800
Deduct—															
Amount written off in the London registers	55,200	12,31,893	21,02,500	3,56,60,000	16,01,34,500	1,02,23,600	1,91,21,100	25,80,21,603	36,000	2,24,700	61,02,600	64,53,800	1,34,500	31,200	26,55,96,083
Balance on 15th January 1893	.....	.....	.....	40,000	7,77,000	1,50,000	3,23,000	13,20,000	.....	.....	.....	.....	.....	.....	13,20,000
	55,200	12,31,893	21,02,500	3,53,69,400	15,97,07,500	4,00,75,000	1,87,61,100	25,75,91,503	36,000	2,24,700	61,02,600	64,53,800	1,34,800	31,200	26,42,66,083

NOTE.—From 9th June 1897 to 15th Nov. 1892—Enforced from India 8,982 lakhs; re-transferred from London 6,757 lakhs.

16th Nov. 1892	30th "	30th "	30th "	30th "	30th "	30th "	30th "	30th "	30th "	30th "	30th "	30th "	30th "	30th "	30th "
1st Dec. "	1st Dec. "	1st Dec. "	1st Dec. "	1st Dec. "	1st Dec. "	1st Dec. "	1st Dec. "	1st Dec. "	1st Dec. "	1st Dec. "	1st Dec. "	1st Dec. "	1st Dec. "	1st Dec. "	1st Dec. "
10th Jan. "	10th Jan. "	10th Jan. "	10th Jan. "	10th Jan. "	10th Jan. "	10th Jan. "	10th Jan. "	10th Jan. "	10th Jan. "	10th Jan. "	10th Jan. "	10th Jan. "	10th Jan. "	10th Jan. "	10th Jan. "
1st Jan. 1893	1st Jan. 1893	1st Jan. 1893	1st Jan. 1893	1st Jan. 1893	1st Jan. 1893	1st Jan. 1893	1st Jan. 1893	1st Jan. 1893	1st Jan. 1893	1st Jan. 1893	1st Jan. 1893	1st Jan. 1893	1st Jan. 1893	1st Jan. 1893	1st Jan. 1893
8,111	6,929	6,929	6,929	6,929	6,929	6,929	6,929	6,929	6,929	6,929	6,929	6,929	6,929	6,929	6,929
8,111	6,929	6,929	6,929	6,929	6,929	6,929	6,929	6,929	6,929	6,929	6,929	6,929	6,929	6,929	6,929

Balance against India ... 1,289 lakhs.

PUBLIC DEBT OFFICE, BANK OF ENGLAND,  
Calcutta, 20th January 1893.

W. D. CATTESBANK,  
Secretary and Treasurer.

(874-1)

## CIVIL PROCESS No. 42.

## PROCLAMATION OF SALE.

(Section 287 of the Code of Civil Procedure.)

District Sarun.

In the Court of the District Judge at Chapra.

EXECUTION CASE No. 31 OF 1892.

Mr. Norman Cockell, of Motihari, zilla Champaran, decree-holder, against Babu Fattch Bahadur Singh, of Bhoputpore, pargana Majhwa, zilla Champaran, judgment-debtor.

**NOTICE** is hereby given that, under section 294, Act XIV of 1882, an order has been passed by this Court for the sale of the attached property mentioned in the annexed schedule in satisfaction of the claim of the decree-holder in the suit mentioned in the margin, amounting, with costs and interest up to date of sale, to the sum of Rs. 37,928-5.

Suit No. 151 of 1893 decided by the Sub-Judge, 1st Court, Chapra, in which Mr. Norman Cockell was plaintiff, and Babu Fattch Bahadur Singh was defendant.

The sale will be by public auction, and the property will be put up for sale in the lots specified in the schedule below. The sale will be of the property of the judgment-debtor above named as mentioned in the schedule below, and the liabilities and claims attaching to the said property, so far as they have been ascertained, are those specified in the schedule against each lot.

In the absence of any order of postponement, the sale will be held by the Nazir of the Court at the monthly sale commencing at 12 o'clock on the 6th February 1893 at Judge's Court, Chapra. In the event, however, of the debt above specified and the costs of the sale being tendered or paid before the knocking down of any lot, the sale will be stopped.

At the sale the public generally are invited to bid either personally or by duly authorised agent. No bid by, or on behalf of, the judgment-creditor above mentioned, however, will be accepted; nor will any sale to them be valid without the express permission of the Court previously given.

The following are the further conditions of sale:—

1. That particulars specified in the schedule below have been stated to the best of the information of the Court, but the Court will not be answerable for any error, misstatement or omission in this proclamation.

2. The amount by which the biddings are to be increased shall be determined by the officer conducting the sale. In the event of any dispute arising as to the amount bid or as to the bidder, the lot shall at once be again put up to auction.

3. The highest bidder shall be declared to be the purchaser of any lot, provided always that he is legally qualified to bid, and provided that it shall be in the discretion of the Court or officer holding the sale to decline acceptance of the highest bid when the price offered appears so clearly inadequate as to make it advisable to do so.

4. For reasons recorded, it shall be in the discretion of the officer conducting the sale to adjourn it subject always to the provisions of section 291, Act X of 1877.

5. In the case of moveable property, the price of each lot shall be paid for at the time of sale or as soon after as the officer holding the sale directs, and in default of payment the property shall forthwith be again put up and sold.

6. In the case of immoveable property, the person declared to be the purchaser shall pay immediately after such declaration a deposit of 25 per cent. on the amount of his purchase-money to the officer conducting the sale, and in default of such deposit the property shall forthwith be put up again and sold.

7. The full amount of the purchase-money shall be paid by the purchaser before the Court closes on the fifteenth day after the sale of the property, exclusive of such day, or if the fifteenth day be a Sunday or other holiday, then on the first office day after the fifteenth day.

8. In default of payment of the balance of purchase-money within the period allowed, the property shall be re-sold after the issue of a fresh notification of sale. The deposit, after defraying the expenses of the sale, shall be forfeited to Government, and the defaulting purchaser shall forfeit all claim to the property or to any part of the sum for which it may be subsequently sold.

Given under my hand and the seal of the Court this the 17th day of January 1893.

A. R. K. SINHA, Sarishtadar.

S. P. CHATTERJEE, For District Judge.

## Schedule of property.

Number of lot.	Description of property to be sold with the name of each owner where there are more judgment-debtors than one.	The revenue assessed upon the estate, or part of the estate if the property to be sold is an interest in an estate or a part of an estate paying revenue to Government.	Detail of any incumbrances to which the property is liable.	Claims, if any, which have been put forward to the property and any other known particulars bearing on its nature and value.
		Rs.    A.    P.	Rs.	Rs.
1	The entire mahal Bhoputpore, tapa Daulta, pargana Majhwa, consisting of 68 mauzas as entered in the Champaran Collector's register and in the previous execution petition lying within jurisdiction of Munsifi Motihari, bearing tanzi No. 585. The gross income of the entire mahal is Rs. 70,000, and the net income, deducting Rs. 15,000, Government revenue and cesses, and Rs. 5,000, costs of collection, is Rs. 50,000. Villages lying within the respective thanas are as follows:—	9,736    0    10	11,70,000	11,000 value.
	Mauzas.			
	Within thana Adapore ... ..	52		
	Ditto Kesaria ... ..	10		
	Ditto G bindganj ... ..	4		
	Ditto Motihari ... ..	2		
	Total ... ..	68		

A. R. K. SINHA, Sarishtadar.  
Chapra, the 19th January 1893.

S. P. CHATTERJEE, For District Judge.  
(970—1)

**EXCISE.  
NOTIFICATION.**

1. The right of retail sale of the liquors and drugs specified below will be put up to auction at the Opium Sale-room, Board of Revenue, 2, Bankshall Street, on the 13th February 1893, and subsequent days, in the following order:—

Name of article.		Date of sale.			
Country spirit	...	Monday,	13th	February 1893, commencing at 11 AM.	
		Tuesday,	14th	ditto	ditto
		Wednesday,	15th	ditto	ditto
Rum and imported liquor by glass.		Friday,	17th	ditto	ditto
				ditto	ditto
Ganja, sidahi, charas, majum.		Monday,	20th	ditto	ditto
		Tuesday,	21st	ditto	ditto
		Wednesday,	22nd	ditto	ditto
Opium, madak, chandu		Thursday,	23rd	ditto	ditto
		Friday,	24th	ditto	ditto
Tari	...	Saturday,	25th	ditto	ditto

2. A complete list of all the shops for which licenses will be offered and a copy of each form of license are open to general inspection at the office of the Superintendent of Excise Revenue, 24, Dalhousie Square, and the number of these shops is not under any circumstances to be increased during the term of three years ending the 31st March 1896, except under the sanction of the Commissioner of Excise, Bengal, in each case. The Superintendent of Excise Revenue, however, reserves to himself the right, in case of combination, or for other cause, to transfer, subject to there being no objection on police grounds, either before or after its settlement, any shop from the site specified in the list, to some other site, provided that the new site, if it is more than 100 yards from the advertised one, does not bring the shop within a quarter of a mile of any other similar shop, the term of whose license is unexpired.

3. It is not at present intended to open any other shop during the term of the license; but the Superintendent of Excise Revenue does not absolutely bind himself in this respect. On special cause shown, and with the sanction of the Commissioner of Excise, Bengal, in each case, the number of shops may be increased: provided, however, that, whenever a new shop is opened, it will be optional to the holder of a similar license for the sale of liquor or drugs, if his shop is within a quarter of a mile of the new shop, to surrender his license without forfeiting his advance, when the Superintendent of Excise Revenue is to re-settle the shop by auction or otherwise.

4. The right of retail sale of the liquors and drugs is to be put up to auction at upset prices sanctioned by the Commissioner of Excise, Bengal.

5. The right of retail sale of the liquors and drugs is to put up to auction in separate lots of one or more shops either in the order specified in the list, or in such other order as the officer conducting the sale may deem fit. When one lot has been sold, the next lot is not to be put up until the sum payable in advance on account of the lot already sold has been actually paid: provided, however, that where the sum payable exceeds Rs. 25, a promissory note may be taken from any respectable and well-known purchaser in lieu of cash payment.

6. The purchasers of the right of retail sale of country spirit, rum, and imported liquors are entitled to sell imported liquors by the glass only, the liquor to be drunk on the premises.

7. The purchasers of the right of retail sale of madak and chandu shall not have the privilege of allowing consumption of the drugs on the premises of the shop.

8. The auction is to be held subject to the following conditions:—

- (a) That the Superintendent of Excise Revenue does not bind himself to accept the highest or any bid.
- (b) That the settlement with each accepted purchaser will, in Calcutta and the Suburbs, be contingent on the production by him of the usual Police certificate or license, as the case may be, viz.—

For Excise licenses for—

Doasta ...  
Rum ...  
Imported liquors by glass ...  
Tari ...  
Ganja ...  
Sidahi ...  
Charas ...  
Majum ...

If to be held in Calcutta, a Police certificate in the form prescribed by section 36, Act IV (B.C.) of 1866, must be produced; and if to be held in the Suburbs, a Police certificate in the form prescribed by section 19, Act II (B.C.) of 1866, must be produced.

For Excise licenses for—

Opium ...  
Madak ...  
Chandu ...

If to be held in Calcutta, a Police license in the form prescribed by section 39, Act IV (B.C.) of 1866, must be produced; and if to be held in the Suburbs, a Police license in the form prescribed by section 22 of Act II (B.C.) of 1866 must be produced.

- (c) That the person accepted as the purchaser is to state in writing, within seven days from the date of settlement, in what building he purposes to open his shop, and is at the same time to submit a plan showing clearly and distinctly what building or portion thereof he desires to be covered by the license, it being understood that the removal of shops to other premises than those named in the list attached to this notification will be contingent on the approval of both the Excise and Police authorities, and that any sum which has been paid as an advance of the license fee under the provisions of clause (d) of these conditions will be returned to any person to whom a license may be subsequently refused for police reasons.
- (d) That the term of the license is to be for three years ending the 31st March 1896, and that, except in the case of tari, the license fee for that period is to be paid in advance in the following instalments:—namely, the sum equivalent to the fee for two months at the time of sale, and one month's fee on the date on which the currency of the license commences, and one month's fee on the first day of every succeeding month, until the whole of the fee due on the license shall have been paid. In the case of tari only one month's fee is to be paid in advance at the time of sale, and fifteen days' fee on the date on which the currency of the license commences, and the rest of the fee in half-monthly instalments, viz., on the first and sixteenth day of every month, until the whole of the fee due on the license shall have been paid. This condition is to be strictly enforced in future, and failure to comply with it is to be met by immediate cancellation of the license.
- (e) That the purchaser is not to be entitled to receive back any portion of his advance in the event of his shop being closed before the expiration of the term of the license on violation of any of the conditions of the license, or his being convicted of a non-bailable criminal offence, or of any offence against the excise laws or rules; and in the case of the surrender of a license under Act VII (B.C.) of 1878, the licensee is to give fifteen days' previous notice in writing to the Superintendent of Excise Revenue, and pay a sum equal to the license fee for fifteen days, over and above the amounts already paid in advance; and in the case of the surrender of a license under Act I of 1878, the licensee is to give one month's previous notice in writing to the Superintendent of Excise Revenue, and pay such fine not exceeding six months' license fees as the Superintendent of Excise Revenue may adjudge, over and above the amounts already paid in advance.
- (f) That the currency of the license is to commence on the 1st April 1893, on which date the purchaser is to open his shop, in all respects prepared for the accommodation of customers, to be certified by an Excise Officer—failure to comply with this condition is to be met by the immediate cancellation of the license, the forfeiture of the deposit, and the levy of the fees for the month, except in the case of delay caused by the non-issue of the Police certificate or Police license, for which a reasonable extension of time may be allowed upon application and cause shown to the Superintendent of Excise Revenue.
- (g) That where the amount of the sum payable in advance is required to be paid at once in cash, and the bidder fails to make such payment, the officer conducting the sale is either immediately to put up the lot again for sale, or after the other lots in the list have been disposed of, or he may postpone the sale to such future date as he shall then and there notify; and the defaulting purchaser is to be debarred from bidding for such lot or for any other lot, and he is not to be allowed to remain in the auction-room; and that the defaulting purchaser will be liable for any loss that may accrue to Government in case it becomes necessary to re-sell a lot at a lower rate either in consequence of his failure to deposit the sum payable at the time of sale, or to redeem his promissory note on or before 4 P.M. on the day following that on which the note was signed.
- (h) That the purchasers are to adhere to all the provisions of the Opium, Excise and Police laws, and of the rules which have been or may from time to time be prescribed by the Board of Revenue.
9. All sales subsequent to the date of the triennial sale in March are to be held subject to the conditions contained in this notification, so far as they may be applicable.
10. Any further information regarding the auction may be had on application at the office of the Superintendent of Excise Revenue.

D. G. BONNERJEA, *Superintendent of Excise Revenue,*  
Calcutta, the Suburbs, Howrah and Bailly.

OFFICE OF THE SUPDT. OF EXCISE REVENUE;  
24, DALHOUSIE SQUARE, CALCUTTA, the 15th January 1893.

### Oudh Forest Department. BAHRAMGHAT DEPOT.

ON THE OUDH AND ROHILKHAND RAILWAY.

FROM this date the prices of all beams and scantlings supplied from this depot will be as follows:—  
BEAMS.—21 feet length, at Rs. 2-10 per cubic foot.

22	"	"	2-12	"
28	"	"	2-14	"
34	"	"	3	"

Above the length given two annas per foot run will be charged. Any inches over the foot will be charged as a foot.

SCANTLINGS.—From 12 to 30 feet, at Rs. 2-8 per c. ft.  
Under 12 and over 7 " 2-4 "  
Under 7 feet " 2 "

The above prices are for ordinary building purpose. For *Planking Sleepers*, &c., special rates will be fixed by agreement.

The Department will still take orders for buildings all over at Rs. 2-4 per cubic foot, provided the scantlings are taken in fair proportion.

Second and Third Class Timber will be sold and price fixed by agreement.

Auction Sales will be held from time to time to clear off stock.

For further particulars apply to the Officer in charge. By order of the Conservator of Forests, N. W. P. and Oudh, Oudh Circle.

KANHTA LAL,

Sub-Assistant Conservator of Forests  
Bahramghat Division.

Bahramghat, the 1st April 1886.

### Reduction in the Price of the Pure Sulphate of Quinine.

MANUFACTURED AT THE BENGAL GOVERNMENT CINCHONA PLANTATION.

ON and after 1st April 1891 the price of this quinine will be as follows:—

1	Pound tin	Rs. 16, or, post free, Rs. 16-12.
1	"	" " 8 " " " 8-8.
1	"	" " 4 " " " 1-8.

Analysis shows this quinine to be of the purest manufacture, and it is guaranteed to be free from wilful mixture with the inferior alkaloids, Cinchonine and Cinchonidine. It is for sale only to Government officers, and only for cash, and may be had from the Superintendent, Botanic Garden, Sibpur, near Calcutta. It can be had either white or coloured pink.

### Reduction in price of Cinchona Febrifuge.

FROM 1st April 1891, and until further orders. Cinchona Febrifuge can be purchased by all Government officers and by any one taking *ten pounds* at a time, from the Superintendent, Botanic Garden, Calcutta, at the following rates. Four ounce tin Rs. 2-8; eight ounce tin Rs. 5; one pound tin Rs. 10. The general public can be supplied by the Superintendent, Botanic Garden, for cash only at the undernoted rates:—Per four ounce tin Rs. 3; per eight ounce tin Rs. 6; per pound tin Rs. 12. This medicine is also sold by the principal European and Native druggists in Calcutta. Postage four annas per 4 ounce tin, eight annas per 8 ounce tin, and twelve annas per pound tin, in addition to the foregoing rates.

### Uncovenanted Service Family Pension Fund.

#### NOTICE.

THE Fifty-fifth Annual General Meeting of Subscribers of the above Institution will be held in the Town Hall on Saturday, the 28th January 1893, at 3 P.M., to receive the Report of the Directors and to consider such matters as may then be submitted.

By order of the Directors,

W. H. RYLAND, Secretary.

Calcutta, the 2nd January 1893.

(914—3)

GANGA CHARAN MOOKERJEE, B.L., intends to apply to be enrolled as a Vakeel of the Calcutta High Court.

(943—4)

BHOGOBAN CHUNDER MOOKERJEE intends to apply for enrolment as a Vakeel of the High Court, Calcutta. (907—4)

RAKHAL DOSS BANDYOPADHYA, B.L., intends to be enrolled as a Vakeel, High Court. (951—4)

#### Wanted

A CIVIL COURT AMIN for three months on a salary of Rs. 50 (fifty) per mensem. Applications, with copies of testimonials, will be received up to the 25th instant by the undersigned, to whom the selected candidate should report himself on the 6th February 1893.

J. POSFORD, District Judge.

Judge's Office, Faridpur, the 7th January 1893.

#### Wanted

A SUPERINTENDENT for the Bayley Technical School, Rangpur. The terms are Rs. 25 rising to Rs. 35 after one year's approved service. Qualifications: those of a passed student upper grade, Sibpur Engineering College. Ability to instruct in Mathematics, Surveying, and Civil Engineering. Applications with copies of testimonials to be received up to 16th February 1893.

E. B. HARRIS, Chairman, District Board.

Rangpur, the 7th January 1893.

(952—3)

#### Wanted

BY the District Board of Packerunge on a salary of Rs. 25 per mensem four Civil Hospital Assistants to take charge of four dispensaries to be established by the Board in April 1893. Applications with copies of testimonials must reach the undersigned on or before the 16th February 1893.

H. SAVAGE, Chairman.

Barisal, the 21st January 1893.

(971—1)

#### Notice.

WANTED a Clerk from 1st February 1893 for the English Department of the Sub-divisional Office, Alipur Duars. Salary Rs. 50 per month. Only candidates having good knowledge of English and a thorough knowledge of the English correspondence system under the Revenue Board's rules need apply up to the 29th instant.

Successful candidate will have to join at once.

W. H. W. MACKENZIE, Sub-divisional Officer,

Alipur Duars.

Alipur, the 20th January 1893.

#### Notification

##### ZAMINDARI DAK CESS OF THE KHULNA DISTRICT.

IN modification of the Notification published in the *Calcutta Gazette* of the 28th December 1892, Part II, page 1156, it is hereby notified for information of the public that the Zamindari Dak Cess in the district of Khulna for the year 1893 has been fixed at the rate of Rs. 1 (one rupee) per annum on the sadar jama of estates paying revenue amounting to Rs. 50 (fifty) and above. This reduced rate will be in force for five years from January 1893.

2. The amount due for each estate is payable in two instalments, the first being due on the 28th March 1893, and the second on the 28th September 1893. But the dates of payment now fixed are open to revision.

B. DE, Collector.

Khulna Collector's Office, the 10th January 1893.

#### Notification.

THE public are hereby informed that the zamindari dak cess in the district of Nadia is fixed at the rate of 12 annas per cent. for five years, from January 1893, on the sadar jama of estates paying revenue amounting to Rs. 50 and over.

The cess is payable with the Land Revenue kists in two instalments, viz., within 28th March and 28th September.

The dates are subject to revision which will be duly notified.

K. G. GUPTA, Collector, Nadia.

Nadia Collectorate, the 17th January 1893.

**Road Cess Notification.**

**A**T a special meeting held on the 16th January 1893, the Birbhum District Board have determined that road cess in the district for the cess year 1893-94 shall be levied at the maximum rate, viz., one-half anna on each rupee of the annual value of lands, &c., as enumerated in section 6 of the Cess Act.

GIRINDRA CH. BANERJEE, Vice-Chairman,  
District Board, Birbhum.  
Suri, the 17th January 1893.

**NOTICE OF SALE.**

**In the Court of the District Judge of Bankura.**

**SECTION 287 OF THE CODE OF CIVIL PROCEDURE.**

**DISTRICT BANKURA.**

**EXECUTION CASE No. 53 of 1892.**

Chintamani Datta, of Hambazar, Rajgram, chauki Bankura, decree-holder, *versus* Mahesh Chandra Banerjee and others, of Ajodhya, chauki Bishenpur, judgment-debtors.

**N**OTICE is hereby given that, under section 284 of Act XIV of 1882, an order has been passed by this Court for the sale of the attached properties mentioned in the schedule below in satisfaction of the claim of the decree-holder in suit No 36 of 1888, amounting with costs and interests up to the date of sale to the sum of Rs. 10,119-7-6.

The properties will be put up to sale at the monthly sale by the Nazir of the Court of the District Judge of Bankura at 12 o'clock on the 30th February 1893, corresponding with 10th Falgun 1299 (B.S.). The claims and liabilities attaching to the said property, so far as they have been ascertained, are specified in the last column of the schedule.

Number of lot.	Description of property to be sold.	Revenue assessed on the estate.	Detail of encumbrances.																																																		
7	Estate taluk Jantura, paraganah Bishenpur, bearing tanzu No. 7 of the Bankura Collectorate. The estate has been split up into the following numbers by separate accounts:—	Rs. A. P. 5,691 7 1	The estate had been mortgaged to Nihal Chandra Marwar, of Bardwan, for Rs. 25,000 on the 1st of Jyesta 1291.																																																		
	<table border="1"> <thead> <tr> <th>No.</th><th>Revenue.</th><th>Rs.</th><th>A.</th><th>P.</th></tr> </thead> <tbody> <tr> <td>7-1</td><td>...</td><td>174</td><td>7</td><td>1</td></tr> <tr> <td>7-3</td><td>...</td><td>1,221</td><td>6</td><td>3</td></tr> <tr> <td>7-4</td><td>...</td><td>2,290</td><td>3</td><td>4</td></tr> <tr> <td>7-5</td><td>...</td><td>52</td><td>4</td><td>7</td></tr> <tr> <td>7-7</td><td>...</td><td>62</td><td>15</td><td>4</td></tr> <tr> <td>7-9</td><td>...</td><td>148</td><td>6</td><td>3</td></tr> <tr> <td>7-10</td><td>...</td><td>1,399</td><td>2</td><td>1</td></tr> <tr> <td>7-11</td><td>...</td><td>523</td><td>10</td><td>2</td></tr> <tr> <td>Total</td><td>...</td><td>5,691</td><td>7</td><td>1</td></tr> </tbody> </table>	No.	Revenue.	Rs.	A.	P.	7-1	...	174	7	1	7-3	...	1,221	6	3	7-4	...	2,290	3	4	7-5	...	52	4	7	7-7	...	62	15	4	7-9	...	148	6	3	7-10	...	1,399	2	1	7-11	...	523	10	2	Total	...	5,691	7	1		
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8	The estate Khudra Modha, bearing tanzu No. 62 of the Bankura Collectorate.	886 4 0 including road fund.																																																			

B. G. GEIDT, District Judge.  
Bankura Judge's Office, the 14th January 1893.  
(956—1)

**NOTICE OF SALE.**

**SECTION 287 OF THE CODE OF CIVIL PROCEDURE.**

**DISTRICT BANKURA.**

**In the Court of the District Judge of Bankura.**

**EXECUTION CASE No. 54 of 1892.**

Chintamani Datta, of Hambazar, Rajgram, chauki Bankura, decree-holder, *versus* Mahesh Chandra Handopadhyay, of Ajodhya, chauki Bishenpur, judgment-debtor.

**N**OTICE is hereby given that, under section 284 of Act XIV of 1882, an order has been passed by this Court for the sale of the attached properties mentioned in the schedule below in satisfaction of the claim of the decree-holder in suit No. 15 of 1888, amounting with costs and interest up to the date of sale to the sum of Rs. 1,419-12.

The properties will be put up to sale at the monthly sale by the Nazir of the Court of the District Judge of

Bankura at 12 o'clock on the 20th February 1893, corresponding with 10th Falgun 1299 (B.S.). The claims and liabilities attaching to the said property, so far as they have been ascertained, are specified in the last column of the schedule.

Number of lot.	Description of property to be sold.	The revenue assessed on the estate.	Detail of encumbrances.																																																		
7	Estate taluk Jantura, paraganah Bishenpur, bearing tanzu No. 7 of the Bankura Collectorate. The estate has been split up into the following numbers by separate accounts:—	Rs. A. P. 5,691 7 1	The estate has been mortgaged to Nihal Chandra Marwar, of Bardwan, for Rs. 25,000 on the 1st of Jyesta 1291. Only 4 annas or half share of the property belonging to the debtor will be sold.)																																																		
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8	The estate Khudra Modha, bearing tanzu No. 62 of the Bankura Collectorate.	886 4 0 including road fund.																																																			

B. G. GEIDT, District Judge.  
Bankura Judge's Office, the 14th January 1893.  
(957—1)

**NOTICE OF SALE.**

**SECTION 287 OF THE CODE OF CIVIL PROCEDURE.**

**In the Court of the District Judge of Bankura.**

**EXECUTION CASE No. 55 of 1892.**

Chinta Moni Datta, of Hambazar, Rajgram, chauki Bankura, decree-holder, *versus* Sumot, Drabamoyi Debbar, of Ajodhya, chauki Bishenpur, judgment-debtor.

**N**OTICE is hereby given that, under section 284 of Act XIV of 1882, an order has been passed by this Court for the sale of the attached properties mentioned in the schedule below in satisfaction of the claims of the decree-holder in suit No. 18 of 1886, amounting with costs and interest up to the date of sale to the sum of Rs. 1,130-9.

The properties will be put up to sale at the monthly sale by the Nazir of the Court of the District Judge of Bankura at 12 o'clock on the 20th February 1893, corresponding with 10th Falgun 1299 (B.S.). The claims and liabilities attaching to the said property, so far as they have been ascertained, are specified in the last column of the schedule—

Number of lot.	Description of property to be sold.	The revenue assessed on the estate.	Detail of encumbrances.																																																		
7	Estate taluk Jantura, paraganah Bishenpur, bearing tanzu No. 7 of the Bankura Collectorate. The estate has been split up into the following numbers by separate accounts:—	Rs. A. P. 5,691 7 1	The estate has been mortgaged to Nihal Chandra Marwar, of Bardwan, for Rs. 25,000 on the 1st of Jyesta 1291 (B.S.). Only 4 annas or 4 share of the property belonging to the debtor will be sold.																																																		
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7-11	...	523	10	2																																																	
Total	...	5,691	7	1																																																	
8	The estate Khudra Modha, bearing tanzu No. 62 of the Bankura Collectorate.	886 4 0 including road fund.																																																			

B. G. GEIDT, District Judge.  
Bankura Judge's Office, the 4th January 1893.  
(958—1)

## NOTICE OF SALE.

SECTION 287 OF THE CODE OF CIVIL PROCEDURE.

DISTRICT BANKURA.

In the Court of the District Judge of Bankura.

EXECUTION CASE No. 56 OF 1892.

Chintamani Datta, of Hambazar, Rajgram, chauki Bankura, decree-holder, *versus* Srimoti Hemangini Debi, of Ajodhia, chauki Bishenpur, judgment-debtor.

NOTICE is hereby given that, under section 284 of Act XIV of 1882, an order has been passed by this Court for the sale of the attached properties mentioned in the schedule below in satisfaction of the claim of decree-holder in suit No. 101 of 1887, amounting with costs and interest up to the date of sale to the sum of Rs. 3,043 4.

The properties will be put up to sale at the monthly sale by the Nazir of the Court of the District Judge of Bankura, at 12 o'clock on the 20th February 1893, corresponding with 10th Falgun 1299 (B.S.). The claims and liabilities attaching to the said property, so far as they have been ascertained, are specified in the last column of the schedule.

Number of lot.	Description of property to be sold.	The revenue assessed on the estate.	Detail of encumbrances.
7	Estate taluk Jamtara, pargana Bishenpur, bearing mauza No. 7 of the Bankura Collectorate. The estate has been split up into the following numbers by separate accounts:	Rs. A. P. 5,021 7 1	The estate has been mortgaged to Nihal Chand Marwari, of Hindwan, for Rs. 25,000 on the 1st Jyesta 1291 (B.S.) (Only 4 annas share of the property belonging to the debtor will be sold.)
	No. Revenue.	Rs. A. P.	
7-3	174 7 1		
7-4	1,291 6 3		
7-5	2,291 3 4		
7-6	12 4 7		
7-7	52 15 4		
7-8	118 6 3		
7-9	1,599 2 1		
7-11	229 10 2		
Total	5,021 7 1		
8	The estate Khudab Mardim, bearing mauza No. 62 of the Bankura Collectorate.	886 4 0, including road fund.	

B. G. GRIFF, District Judge.

Bankura Judge's Office, the 14th January 1893.

(959—1)

## Notice

IS hereby given that the Tongrapani Jungle, situated within the jurisdiction of thana Basia, pargana Belia, district Lohardaga, which is held by Government in tika for ten years ending in March 1895, on behalf of the Ranchi Government Industrial School, will be sold. The jungle contains sal, sesum, paisar and other timber trees.

Purchasers are requested to send in their tenders to, or to appear in person or through agent before, the undersigned to settle the price of the jungle or for any further information regarding it within six weeks from this date.

The following are the boundaries of the jungle:—

North.—Kher Tar and Goomi Serna.

East.—Chotka L-kir pahar.

South.—Kato Saimou Soda, Garha Kainjhi Tongri and Karil Tar.

West.—Kera band and Chota Raika pahar.

A. F. STEINBERG,

For Deputy Commr., District Lohardaga.

The 11th January 1893.

## Road Cess Notification.

SHAHABAD DISTRICT.

IT is hereby notified for general information that, under section 46 of the Bengal Local Self-Government Act No. III (B.C.) of 1885, the District Board of Shahabad have, at a meeting held on the 15th January 1893, resolved to levy the road cess for the year 1893-94 at the maximum rate.

S. M. NASHIDIN, Vice-Chairman, District Board, Shahabad.

Arrah, the 15th January 1893.

## Road Cess Notification.

THE District Board of Noakhali at their special meeting of the 14th January 1893 have determined to levy the road cess at the maximum rate, viz. one-half anna on each rupee of the annual value of lands during the year 1893-94.

N. C. GUNA, For Chairman.

Noakhali District Board's Office, the 17th January 1893.

In the Court of the Munsif of Bangaon.

EXECUTION CASE No. 1085 OF 1892, RENT.

Harish Chandra Roy Chowdhry and others, decree-holders, *versus* Kishori Mohun Kundu and others, judgment-debtors.

NOTICE is hereby given that in the above case the undermentioned property of the judgment-debtors will be sold by public auction by the Nazir of the Court at 12 o'clock noon on the 20th February 1893 for realization of Rs. 217-8-9 due in respect of its own arrears:—

Sixteen annas share of the judgment-debtors in a darpatni taluq situate at mauza Satui, Sonatunkati, and Banomna, station Sarsha, sub-registry and sub-division Bangaon, district Jessore. Annual rent payable by the judgment-debtors to the decree holders is Rs. 740-8.

CHANDRA NATH GHOSH, Munsif.

Bangaon Munsifi, the 20th January 1893. (968—1)

In the Court of the Munsif of Bangaon.

EXECUTION CASE No. 1159 OF 1892, RENT.

Rajomari Dassi, decree-holder, *versus* Hamidurrohmaan Mondul and another, judgment-debtors.

NOTICE is hereby given that in the above case the undermentioned property of the judgment-debtors will be sold by public auction by the Nazir of the Court at 12 o'clock noon on the 20th February 1893 for realization of Rs. 61-1-3 due in respect of its own arrears:—

Eight annas share of a patni taluq pargana Alampur, Dehee Mustafapore and others, situate in station Sarsha, Dehee Seekerpore, mauza Bahadurpore, Poorgapore, Balupota, Muktabaha with jakar, and Dehee Krishna Chandrapur, mauza Ram Chandrapore, and Dehee Seekerpore, jakar Bahadurpore alias Kammur Bawar, belongs to the judgment-debtors under the decree-holder.

Annual rent payable by the judgment-debtors to the decree-holder is Rs. 1,190 8 0.

CHANDRA NATH GHOSH, Munsif, Bangaon.

Bangaon Munsifi, the 20th January 1893. (969—1)

## Notification.

TO be peremptorily sold by the Registrar of the Calcutta High Court in its ordinary Original Civil Jurisdiction in his sale-room in the Court-house on Saturday, the 15th of February next, at 12 o'clock noon, pursuant to a decree and an order of the said Court made in suit No. 116 of 1891 (Preamble Mitter *versus* Sreenooty Woollassney Dosee), and dated respectively 28th May 1891 and 31st August 1892, the following property, viz:—

Lot 1.—No. 7 (formerly No. 23-1-1) Bachoo Chatterjee's Street, Calcutta, consisting of rent-free land and buildings, the area of the land being 3 cottahs 4 chitaks and 37 feet, more or less. This property is contained in Holding No. 614, Block No. 14, North Division, within the Registration District of Calcutta, and is bounded on the north by Bachoo Chatterjee's Street, on the east by a common passage, on the south by the dwelling-house which was of Brojo Ball Mitter, deceased, and on the west by the dwelling-house which was of Issher Chunder Mitter, deceased.

The abstract of title and conditions of sale may be seen at the office of the said Registrar, or at the office of Messieurs Bonnerjee and Chatterjee at No. 6, Old Post Office Street, Calcutta, on any day before the sale, and will be produced at the time of sale.

R. BETCHAMBERS, Registrar.

Bonnerjee and Chatterjee, Plaintiff's Attorneys.  
High Court, Original Side, the 12th day of December 1892. (992—1)

Notice.

TO be sold in the Civil Court compound on Friday, the 17th February 1893, at 2 P.M. by auction under orders of the District Judge of Tirhut by the undersigned Receiver to the estate of Babu Nathoo Lall Chowdhry and others, declared insolvents under section 351, Act XIV of 1882, if not previously disposed of, the following zamindaris and houses forming the estate of the insolvents. The sale will be to the highest bidder above certain reserved price fixed for each property under the conditions mentioned and provided for in sections 306, 307, and 308 of Act XIV of 1882, with this exception that the deposit of the one-fourth of the purchase-money shall be forfeited to the estate of the insolvents instead of the Government as provided in section 304 of the said Act. Information about the particulars of title of the properties may be obtained on enquiry to the undersigned:—

LANDED PROPERTY.

Tauzi No.	NAMES OF VILLAGES.	Pargana.	Share.	Area, bighas.	Yearly income.	Government revenue.	Road cess.	Dak cess.	Total.	Net income.	Divided or Undivided.
11106	Sarryagunge, Chak Naya.	Pargana Bisharath, district M. F. P.	A. G. C. K. D. R. P. 7 9 2 2 0 0 0	B. C. D. 62 9 10 1/2	Rs. A. P. 1,192 15 6	Rs. A. P. 241 11 6	Rs. A. P. 2 1 11	Rs. A. P. 213 15 5	Rs. A. P. 129 2 1	Divided.	
2224	Kishorepur kumh.	By. Pargana Jukhar, district D. B. G.	7 10 0 0 0 0 0	632 10 0	1,814 6 9	650 15 2	86 15 9	1 11 2	739 10 1	1,074 12 8	Undivided 192. part.
6163	Bakra chand.	Karam. Pargana Bisharath, district M. F. P.	10 0 0 0 0 0 0	315 0 14	841 3 10 1/2	154 9 1	55 11 0	1 8 9	211 12 10	629 7 0 1/2	Khas.
11025	Khapur	Ditto	0 0 2 2 1 7 13	30 19 0	2 0 0	0 6 11	.....	0 0 1	0 7 0	1 9 0	Undivided.
11021	Nooralahpur	Ditto	0 0 2 2 2 14 14	62 16 0	2 0 0	0 1 0	.....	0 0 1	0 1 1	1 3 11	Ditto.
10602	Munapur, Syed Mahmood.	Pargana Hapespur.	2 0 0 0 0 0 0	0 8 0	16 5 0	3 5 6	.....	.....	3 5 6	12 14 6	Divided.
7826	Tajpur	Pargana Tikar-chowdh.	1 15 1 1 1 5 0	224 2 5 1/2	797 2 3	86 7 1	36 3 6	1 1 9	121 11 7	672 6 8	Undivided.
7817	Kant, alias Pota.	Ditto	0 1 2 2 0 10 0	7 9 0	18 7 0	4 1 0	1 2 9	0 0 5	5 4 2	13 2 1	Ditto.

BUILDINGS.

Municipal number Sabuk.	Municipal number Hat.	Description of houses with boundaries.
624	687	(1) Kutcha house, tiled, one-story, situated at Sarryagunge in the town of Muzaffarpur. Boundaries as follows:— West of lane running north to south, south of waste land, north of Chattergung Chowdhry's house, east of ditch and Birj Coomar Singh's house, with hat Machharatta.
630	695	(1) Pucca and kutcha one and two-storied situate at Sarryagunge in the town of Muzaffarpur—South and north of lane running east to west of galley running north to south and east of Gaudri Tel's house.
817	.....	(1) Pucca and tiled house with pucca walls in the compound of the Karbala situated at Joorawan Chupra, in the town of Muzaffarpur—South of extinct course of river Gauduck, east of Judge's house and compound, west of Jampur Mohant's house, and north of Babu Jemur Pershad Shukla's garden.
220	217	(1) Pucca house one and two-storied situated at Sarryagunge in the town of Muzaffarpur—South of Government public road running east to west, north of Barjo Sahoo's well, west of Khadoo Chowdhry's house, and east of Mahan Lall's house.
210	236	(1) Stables—All that brick-built and tiled house formerly used as stables by the insolvents—West of Babu Ishwari Churn's garden, south of Rambail Chowdhry's house, east of open yard lying south of Granary and north of coach-house, and north of open land used as a passage, together with the land whereon the said stables are situate, the same measuring by approximation 120 feet long and 18 feet broad, situated at Sarryagunge, Muzaffarpur.

METAL UTENSILS.

(5) brass taslas, (4) brass batons, (7) lotas, 4 brass and 3 phool, (9) glasses, 7 brass and 4 phool, (6) katoras, 1 brass and 2 phool, (3) brass karahis, (8) gagraas, 2 copper and 4 iron, (2) strainers, (3) tabas, (4) spoons, brass and iron, (11) thalis, 7 brass and 4 phool, (3) chipee of phool, (2) iron karahi.  
(942—4) M. J. WILSON, Receiver to the Estate of Babu Nathoo Lall Chowdhry and others, insolvents.

Notice.

In the Court of the Subordinate Judge or First Court, Shahabad

EXECUTION CASE No. 402 OF 1892.

Koonth Dass, decree-holder, versus Raw Charun Singh, judgment-debtor.

TO be sold by the Nazir of the District Judge's Court, Shahabad, on the 6th February 1893 at 12 A.M. in the Subordinate Judge's Court-house at Arrah the undermentioned property of the judgment-debtor Raw Charun Singh for satisfaction of a money decree for Rs. 578-3-3 of this Court passed on 11th July 1892:—

Two annas eight pies out of 8 annas share out of 10 annas mauza Chundwuth, pertaining to mahal Koonth, asli with dakhli, bearing tauzi No. 13-8 of the Shahabad Collectorate, and sub-registry Buxar, pargana Bhoipore.

The annual revenue payable to Government for the entire 10 annas mahal is Rs. 3,808.

KEDAR NATH MOZUMDAR, Sub-Judge.

Arrah, the 17th January 1893.

(903-1)

Notification.

IT is hereby notified for general information that the District Board of Hooghly has, at a meeting of the 14th January 1893, fixed the rate of road cess to be levied in the district Hooghly for the year 1893-94 at the maximum rate, i.e., at 6 pies per rupee on the annual value of lands and on the annual net profit from mines, quarries, tramways, railways and other immovable properties as prescribed in the law.

F. W. PRYKE, For Chairman  
District Board, Hooghly, the 17th January 1893.

Destroyed by Whiteants.

THE Government Promissory Notes Nos. 306555, 321307, and 290692 of the 4 per cent. of 1865 for Rs. 1,000, Rs. 2,500 and Rs. 500, respectively, standing in the name of Srimati Ganada Debi, the proprietress, by whom they were never endorsed to any other person. Payment of the above notes and the interest thereupon have been stopped at the Public Debt Office, Bank of Bengal, and application is about to be made for the issue of duplicates in favour of the proprietress.

RANGA LAL MUKHARJI, Laghoshia, Gaudia, Birbhum.

(967—3)



## Treasure Trove.

IT is hereby notified, under section 5 of Act VI of 1878, that on the 1st and 2nd October 1892, the undermentioned idols and articles, valued at Rs. 24-8, were discovered buried in the sanctuary of Sri Abimuktésvar Asw mé temple, paimash No. 945 of Uthayamartánela-parum village, Tiruturainpore taluk, Tanjore district—

Name of idol, &c.	Metal.	Weight in seers of 24 tolas.	Estimated value.
1. Somaskandamurtha with Amman on the same pedestal.	Copper alloy ...	120	Rs. A. P. 15 0 0
2. Somaskandamurthe Amman.	Ditto ...	50	6 4 0
3. Asthena Teyar ...	Bronze ...	20	1 14 0
4. Geshathupakal (two) ...	Copper alloy ...	5	0 7 6
5. Chunks (three) ...	.....	.....	0 13 0
6. Sandal-stone ...	.....	.....	0 2 6
Total	.....	195	24 8 0

All persons claiming the said treasure or part thereof are hereby required to appear personally or by agent before the Collector of Tanjore at his office on the 23rd June 1893 in view to the matter being enquired into and determined according to law.

HILL WINTERBOTHAM, Acting Collector.  
Tanjore Collector's Office, the 23rd December 1892.

## Soom Tea Company, "Limited."

NOTICE is hereby given that the Ordinary General Meeting of Shareholders of the above Company will be held at the Registered Office, No 4, Magoor Lane, Calcutta, on Thursday, the 23rd February next, at 10-15 A.M. for the purpose of receiving the Directors' Report, passing the accounts for the year ended 31st December 1892, declaring a Final Dividend, and transacting such other business as may be brought before the Meeting.

The Transfer Books of the Company will be closed from 10th to 23rd February, inclusive.

By order of the Board.  
WILLIAMSON, MAGOR & Co., Secretaries.  
Calcutta, the 21st January 1893. (972-1)

## Notice of Revocation of Power.

IT is hereby announced and notified, that by a general power-of-attorney in Bengali, dated 1st July 1892, we appointed, amongst others, Babu Taruk Nath Mitra, son of Bhajo Krishna Mitra, deceased, of Konnagar, in the sub-division of Serampore, in the district of Hooghly, one of our Attorneys, but the said Babu Taruk Nath Mitra having resigned our service from the 31st November 1892, his power was revoked, and he ceased to be our Attorney from that date.

DOERGA CHURN LAW.  
JOY GOBIND LAW.  
CHANDU CHURN LAW.

8, New China Bazar Street, Calcutta, the 24th January 1893. (973-4)

## Notice.

PURSUANT to a decree of the Calcutta High Court of Judicature at Fort William in Bengal, in its Ordinary Original Civil Jurisdiction, made in suit No. 446 of 1892 (wherein Radha Persaud Dutt and others are plaintiffs, and Khetter Mohun Dutt and others are defendants), the creditors of Manick Lall Dutt, late of Nos. 3 and 4, Cornwalls Street, in the Town of Calcutta, who died on the 27th of December, are, on or before the 1st day of March next, to send to the office of the Registrar of this Court on its Original Side their names, addresses and descriptions, the full particulars of their claims, a statement of their accounts, and the nature of the securities (if any) held by them, or in default thereof they will be peremptorily excluded from the benefit of the said decree.

Every creditor holding any security may produce or transmit the same to the Registrar with the particulars of his claim, or shall produce the same before the Registrar on the 15th day of March next at 12 o'clock noon, being the time appointed for adjudicating on the claim.

R. BELCHAMBERS, Registrar.  
R. Rutter, Plaintiff's Attorney.  
Calcutta High Court, Original Jurisdiction, the 18th day of January 1893. (965-1)

## Notification.

TO be peremptorily sold pursuant to a decree and an order of the Calcutta High Court, Original Civil Jurisdiction, made in suit No. 294 of 1887 (Kally Dass Seal *versus* Kessub Chunder Benaerjee), and dated respectively 27th June 1887 and 6th August 1888, by the Registrar of the said Court in his sale-room in the Court-house on Saturday, the 25th February next, at 12 o'clock noon, the undermentioned properties:—

Lot 1.—All that undivided ten-and-a-half annas share of and in the piece or parcel of tenanted land, containing by estimation fifteen cottahs, situate at Baughbazar, in the town of Calcutta, and known as premises No 11, Ram Kanto Bose's Street. This property is bounded on the north partly by the said Ram Kanto Bose's Street, and partly by the dwelling-house of Issen Chunder Ghuttuck and Bijoy Ghuttuck, on the south by the dwelling-house of Baney Madhub Chuckerbutty, on the east by the dwelling-house of Meghnauth Ghose, and on the west by the purchased land of Nuffer Chunder Daug.

Lot 2.—An undivided half-share in the putnee right of and in the following seven mouzahs, viz., taraf Sankaripuker, that is neej Sankareepuker, Kaudamala, Bellaghutta, Rana and taraf Puddojola, neej Puddojola, and Koemarhat, contained in taluk Shankaripooker, Bellaghutta, in pargana Mudden Mollah, in the registration district of 24 Parganas, sub-district Alipore, thana Baraipoor, tauzi No. 100, in the Collectorate of 24 Parganas. The owners of the zamindari under whom the putnee is held are Suttodyal Benerjee and Sagore Dutt.

The abstract of title and conditions of sale may be seen at the Office of the Registrar, High Court, or at the office of Babu Sitanauth Doss, Attorney for the plaintiff, at No. 3, Old Post Office Street, on any day before the sale, and will be produced at the sale.

R. BELCHAMBERS, Registrar.  
Sitanauth Doss, Plaintiff's Attorney.  
Calcutta High Court, Original Jurisdiction, the 2nd December 1892 (964-1)

## Notification.

TO be peremptorily sold pursuant to a decree and an order of the Calcutta High Court, Original Civil Jurisdiction, made in suit No. 138 of 1889 (Shera Lall Mullie *versus* Keshub Chunder Benerjee and another), and dated respectively 25th July 1889 and 19th August 1890 in the Registrar's sale-room in the court-house on Saturday, the 25th February next, at 12 o'clock noon, the undermentioned properties:—

Lot 1.—All that undivided ten-and-a-half annas part or share of and in the piece or parcel of rent-free tenanted land, containing by estimation fifteen cottahs, a little more or less, situate at Baughbazar, in the town of Calcutta, and known as No. 11, Rankaunt Bose's Street. This property is bounded on the north partly by Rankaunt Bose's Street and partly by the dwelling-house of Issur Chunder Ghuttuck and Bijay Ghuttuck, on the south by the dwelling house of Baney Madhub Chuckerbutty, on the east by the dwelling-house of Megh Nath Ghosh, and on the west by the purchased land of Nuffer Chunder Daug.

Lot 2.—An undivided half share of and in the zamindari, bearing the tauzi No. 48, and containing mauza Mastokholee and taraf Mastokholee, Chuck Hattah, in the registration district of 24 Parganas and sub-district Bistopore and thana Bistopore. The yearly sadar khajana payable to the Collector of 24 Parganas in respect of this property is rupees 188 and 12 annas and 9 pies.

Lot 3.—An undivided half share of and in the zamindari, being the tauzi No. 54, and containing mauzaha Adharen Chuck, Adharen, Nagobehar, Gobindapore, Dhammagore, in the registration district of 24 Parganas, sub-district Alipore, thana Sonarpore. The yearly sadar mal, cojaree payable to the Collector of 24 Parganas in respect of this property is Rs. 216-13-8.

Lot 4.—All that taluk situate in zilla and registration district of 24 Parganas and sub-registration district Alipore and Bistopore in pargana Magoorah, bearing the tauzi No. 47, and consisting of mauza Kistorampore, Rajahrampore, Mohungharee, Chutta Sorekoon with Kastodanga and Juggodul with Khoshapore, Adharmanick and Jote Sonagachi, attached to thanas sadar Sonarpore, Bistopore. The yearly sadar jama payable to the Collector of 24 Parganas in respect of this property is rupees 2,657 and 13 annas and 8 goudahs.

**Lot 5.** All that taluk situate in zilla and registration district of 24-Parganas, sub-registration district Alipore, thana Sonarpore, called taraf Jaggerdul, bearing the tauzi No. 49 and consisting of mauzabs Maggoonh alias Jaggerdul and others, being three mauzas. The yearly sadar jama payable to the Collector of 24-Parganas in respect of this property is rupees 82 and 4 annas and 5 gundahs.

The abstract of title and conditions of sale may be seen at the office of the Registrar, High Court, Original Jurisdiction, or at the office of Babu Sitannath Doss, Attorney for the plaintiff, at No. 3, Old Post Office Street, on any day before the sale, and will be produced at the sale.

R. BELCHAMBERS, Registrar.  
Sitannath Doss, Plaintiff's Attorney.  
Calcutta High Court, Original Jurisdiction, the 22nd  
November 1892. (963-1)

### INSOLVENT NOTICES.

*In the Court for the Relief of Insolvent Debtors at Calcutta.*

**In the matter of SHAMA CHURN SEN, an insolvent.**

On Saturday, the 7th day of January instant, an account of the receipts and disbursements of the Official Assignee from the 11th day of June 1890 to the 6th day of January instant was filed in the Office of the Chief Clerk, and it was ordered that Saturday, the 14th day of February next, be appointed for the further hearing of this matter for the purpose of making a dividend.

Any creditor or other person interested who may intend to establish or oppose any claim upon the estate of the said insolvent may attend and be heard, having given notice to the Chief Clerk three clear days before the day of hearing.

A. B. Miller, Official Assignee. (975-1)

**In the matter of DAKHINA CHURN CHATTERJEE, an insolvent.**

On Saturday, the 7th day of January instant, an account of the receipts and disbursements of the Official Assignee from the 1st day of December 1891 to the 6th day of January instant, was filed in the Office of the Chief Clerk, and it was ordered that Saturday, the 4th day of February next, be appointed for the further hearing of this matter for the purpose of making a dividend.

Any creditor or other person interested who may intend to establish or oppose any claim upon the estate of the said insolvent may attend and be heard, having given notice to the Chief Clerk three clear days before the day of hearing.

A. B. Miller, Official Assignee. (976-1)

**In the matter of JAGANNATH, an insolvent.**

On Saturday, the 7th day of January instant, it was ordered that the Assignee do pay and divide the sum of Rs. 1,160-1-8 to and amongst all the creditors upon the estate of the said insolvent as a dividend at the rate of Rs. 4 per cent. upon such of the debts as are admitted in the schedule of the said insolvent, and such claims as shall be proved or substantiated to the satisfaction of the said Assignee in proportion to their several debts, with leave to the Official Assignee to apply to this Court from time to time for directions respecting any debts or any other matter or thing relating thereto.

A. B. Miller, Official Assignee. (977-1)

**In the matter of GEORGE ANDERSON, an insolvent (2nd insolvency).**

On Saturday, the 7th day of January instant, it was ordered that the Assignee do pay and divide the sum of Rs. 694 0-8 to and amongst all the creditors upon the estate of the said insolvent as a dividend at the rate of Rs. 3-8 per cent. upon such of the debts as are admitted in the schedule of the said insolvent, and such claims as shall be proved or substantiated to the satisfaction of the said Assignee in proportion to their several debts, with leave to the Official Assignee to apply to this Court from time to time for directions respecting any debts or any other matter or thing relating thereto.

A. B. Miller, Official Assignee. (978-1)

**In the matter of JAMES CECIL RODRIGUES, an insolvent (2nd insolvency).**

On Saturday, the 7th day of January instant, it was ordered that the Assignee do pay and divide the sum of Rs. 106-1-8 to and amongst all the creditors upon the estate of the said insolvent as a dividend at the rate of Rs. 4 per cent. upon such of the debts as are admitted in the schedule of the said insolvent, and such claims as shall be proved or substantiated to the satisfaction of the said Assignee in proportion to their several debts, with leave to the Official Assignee to apply to this Court from time to time for directions respecting any debts or any other matter or thing relating thereto.

A. B. Miller, Official Assignee. (979-1)

**In the matter of KOYLASH CHUNDER SREEMANY AND RAMLALL SREEMANY, insolvents.**

On Saturday, the 7th day of January instant, it was ordered that the Assignee do pay and divide the sum of Rs. 9,965-12-3 to and amongst all the creditors upon the estate of the said insolvents as a dividend at the rate of Rs. 10 per cent. upon such of the debts as are admitted in the schedule of the said insolvents, and such claims as shall be proved or substantiated to the satisfaction of the said Assignee in proportion to their several debts, with leave to the Official Assignee to apply to this Court from time to time for directions respecting any debts or any other matter or thing relating thereto.

A. B. Miller, Official Assignee. (980-1)

**In the matter of SHEWBRITTON LALL AND DURGALAN, insolvents.**

On Monday, the 9th day of January instant, it was ordered that the matters of the petition of the said insolvents be heard on Saturday, the 4th day of March next, and that the said insolvents do then attend to be examined before the said Court.

M. M. Chatterjee, Attorney. (981-2)

**In the matter of BOIKUNTHA NATH CHATTERJEE, an insolvent.**

On Tuesday, the 10th day of January instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of March next, and that the said insolvent do then attend to be examined before the said Court.

Wilson and Chatterjee, Attorneys. (982-2)

**In the matter of THOMAS DE KEEZ, an insolvent.**

On Thursday, the 12th day of January instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of March next, and that the said insolvent do then attend to be examined before the said Court.

Insolvent in person. (983-2)

**In the matter of MADHUSUDAN PRITA, an insolvent.**

On Friday, the 13th day of January instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of March next, and that the said insolvent do then attend to be examined before the said Court.

Insolvent in person. (984-2)

**In the matter of FREDERICK THOMAS DREW, an insolvent.**

On Saturday, the 14th day of January instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of March next, and that the said insolvent do then attend to be examined before the said Court.

Insolvent in person. (985-2)

**In the matter of CHITTOBA COMAR NUNDY, an insolvent.**

On Monday, the 16th day of January instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of March next, and that the said insolvent do then attend to be examined before the said Court.

Insolvent in person. (986-2)

**In the matter of BOLTE CHAND DEET, an insolvent.**

On Tuesday, the 17th day of January instant, it was ordered that the matters of the petition of the said insolvent be heard on Saturday, the 4th day of March next, and that the said insolvent do then attend to be examined before the said Court.

Prannauth Paul, Attorney. (987-2)

In the matter of **RISHEN DASS**, an insolvent.

On Saturday, the 7th day of January instant, by an order of this Court, the said insolvent was adjudged entitled to his personal discharge under the Act XI Vic., Chapter XXI as to all persons named in his schedule as creditors or claiming to be creditors respectively.

Insolvent in person.

(988-1)

In the matter of **AMERTO LALL MUKERJI**, an insolvent.

On Saturday, the 7th day of May 1892, it was ordered that Saturday, the 4th day of March next, be appointed for the further hearing of this matter, and that, unless cause be shewn to the contrary on that day, the said insolvent be discharged personally as well as to his after-acquired property from all liabilities for debts, claims and demands of and against the said insolvent at the time of the filing of his petition for relief.

A. T. Dhur, Attorney.

(189-2)

In the matter of **RAMPRODAD PODDAR**, an insolvent.

Notice that an application for an *ad interim* protection order has been this day made by the said insolvent, and that such application will be heard and disposed of by the Acting Commissioner of the Insolvent Court on Monday, the 30th day of January instant, at the hour of half-past ten o'clock in the forenoon.

Any creditor of the said insolvent desirous of opposing such application must appear before the said Court at the time and place aforesaid.

Praunauth Paul, Attorney.

(190-1)

In the matter of **EDWIN PIKERE SALT**, an insolvent.

Notice that an application for an *ad interim* protection order has been this day made by the said insolvent, and that such application will be heard and disposed of by the Acting Commissioner of the Insolvent Court on Monday, the 30th day of January instant at the hour of half-past ten o'clock in the forenoon.

Any creditor of the said insolvent desirous of opposing such application must appear before the said Court at the time and place aforesaid.

S. J. Leslie and Sons, Attorneys.

(991-1)

In the matter of **JOHN CASARDOX SALT**, an insolvent.

Notice that an application for an *ad interim* protection order has been this day made by the said insolvent, and that such application will be heard and disposed of by the Acting Commissioner of the Insolvent Court on Monday, the 30th day of January instant, at the hour of half-past ten o'clock in the forenoon.

Any creditor of the said insolvent desirous of opposing such application must appear before the said Court at the time and place aforesaid.

S. J. Leslie and Sons, Attorneys.

(992-1)

In the matter of **BOIKUNTHA NATH CHATTERJEE**, residing at No. 123, Amherst Street, in the town of Calcutta, lately carrying on business as dealer in teak and other wood and cabinet-maker in Mirzapore Street, in the town of Calcutta, and also as a lessee and worker of coal mines at Assansole, in the district of Burdwan, an insolvent.

Notice that the petition of the said insolvent seeking the benefit of the Act XI Vic., Chapter XXI, was filed in the Office of the Chief Clerk on Tuesday, the 10th day of January instant, and by an order of the same date the estate and effects of the said insolvent were vested in the Official Assignee.

Wilson and Chatterjee, Attorneys.

(993-1)

In the matter of **THOMAS D'CREZ**, at present residing at No. 26, Bentinek Lane in the town of Calcutta, a Government pensioner and a temporary clerk in the Port Office, Calcutta.

Notice that the petition of the said insolvent seeking the benefit of the Act XI Vic., Chapter XXI, was filed in the Office of the Chief Clerk on Thursday the 12th day of January instant, and by an order of the same date the estate and effects of the said insolvent were vested in the Official Assignee.

Insolvent in person.

(994-1)

In the matter of **MADRUSUDDAN DUTTA**, residing at No. 174, Bowbazar Street in the town of Calcutta, lately carrying on business as Brick and Soorkey Merchants at Juggernath ghat in the said town of

Calcutta, and Podra-Panchparra in the district of Hooghly, but now without work, an insolvent.

Notice that the petition of the said insolvent seeking the benefit of the Act XI Vic., Chapter XXI, was filed in the Office of the Chief Clerk on Friday, the 13th day of January instant, and by an order of the same date the estate and effects of the said insolvent were vested in the Official Assignee.

Insolvent in person.

(995-1)

In the matter of **FREDERICK THOMAS DREW**, residing at No. 7, Tottie's Lane, in the town of Calcutta, an assistant in the office of Military Accounts, an insolvent.

Notice that the petition of the said insolvent seeking the benefit of the Act XI Vic., Chapter XXI, was filed in the Office of the Chief Clerk on Saturday, the 14th day of January instant, and by an order of the same date the estate and effects of the said insolvent were vested in the Official Assignee.

Insolvent in person.

(996-1)

In the matter of **BOLIE CHAND DUTT**, a prisoner in the Presidency Common Jail, Calcutta, an insolvent.

Notice that the petition of the said insolvent seeking the benefit of the Act XI Vic., Chapter XXI, was filed in the Office of the Chief Clerk on Tuesday, the 17th day of January instant, and by an order of the same date the estate and effects of the said insolvent were vested in the Official Assignee.

Praunauth Paul, Attorney.

(997-1)

Chief Clerk's Office, the 24th day of January 1893.

### Insolvency Notice.

NOTICE is hereby given that the undermentioned dividend is lying unclaimed:—

*Estate LOBBRAINE KING, an insolvent.*

No.	NAME OF CREDITOR.	Amount of claim.	First dividend at No. 1 per cent.
1	William King	Rs. A. P. 87,000 0 0	Rs. A. P. 870 0 0

A. B. MILLER, Official Assignee.

The 10th January 1893.

(998-1)

In the Court of the District Judge, Saran, Chapra.

### INSOLVENCY CASE No. 5 of 1892.

NOTICE is hereby given that in the above case Kandhaiya Lal, Kishenchand, Goolichand and Mohadeo Sahoo, of mauza Repura, pargana Goa, have been declared insolvents, and that the Nazir of the Court has been appointed receiver of their property.

H. W. GORDON, District Judge.

Chapra, the 31st December 1892.

(992-1)

In the Court of the District Judge, Saran Chapra.

### INSOLVENCY CASE No. 1 of 1892.

NOTICE is hereby given that in the above case Syed Mohamad Naki, of mauza Khajhwa, pargana Ander, has been declared insolvent, and that the Nazir of the Court has been appointed receiver of his property.

H. W. GORDON, District Judge.

Chapra, the 31st December 1892

(991-1)

### NOTICE.

In the Court of the District Judge of Burdwan.

### EXECUTION CASE No. 10 of 1891.

Srimati Manikyamayi Choudhurani, decree-holder, versus Nanda Gopal Singh, judgment-debtor.

NOTICE is hereby given that on the application of the decree-holder in the above case, the judgment-debtor, Nanda Gopal Singh, of Debipur, district Burdwan, was, on the 13th day of December 1892, declared by this Court to be an insolvent under section 351 of the Code of Civil Procedure.

J. KELLEHER, District Judge.

Burdwan Judge's Office, the 17th January 1893.

(985-1)

## POSTAL NOTICES.

Mails for—	Date of closing at Calcutta.	Route by which despatched
Egypt, Europe, America, Cape Colonies through United Kingdom.	25th January	Per P. & O. str. from Bombay.
Ditto ditto	1st February	Ditto.
Ditto (book-post and pattern packets).	31st January	Ditto.
Mauritius, Mahé (Seychelles), Mayotte, Nossi Be and Réunion.	1st February	Ditto.
Ceylon, Straits Settlements, Netherlands India, Labuan, Bangkok (Siam), Philippine Islands, China and Japan.	4th " "	Ditto.
Australia, New Zealand and Tasmania.	4th " "	Ditto.
Colombo and the Australasian Colonies.	27th January	Via Bombay and Taticorin.
Madras and Colombo	6th February	Per P. & O. str. <i>Rochester</i> .
Straits, China, and Japan	31st January	Per str. <i>Lightning</i> .
Rangoon and Moulmein	26th " "	Ditto <i>Indra</i> .
Rangoon, Moulmein, Ponnani, and Singapore.	25th " "	Ditto <i>Parrot</i> .
Akyah, Kyaukpyn, Sandoway and Rangoon.	26th " "	Ditto <i>Kistna</i> .
Port Blair	25th " "	Via Madras.
Mauritius	3rd February	Via Taticorin and Colombo.

*N.B.* The letter-box for inland articles, including articles for Burma and Port Blair and for Ceylon by land routes will be closed for the last time for articles without the late-fee at 7 P.M. precisely; after which hour inland letters and papers fully prepaid and bearing an extra postage stamp of ½ anna will be received up to 7.30 P.M.

On the day of despatch of the Mail for Europe, the letter box for Foreign articles will be closed for the last time for articles without the late-fee at 8.30 P.M., and late letters and papers will be received up to 9 P.M. On other days the letter box for Foreign articles will be closed for the last time for articles without the late-fee at 7 P.M., and Foreign letters and papers fully prepaid, bearing an extra stamp of 4 annas, will be received up to 7.30 P.M. for despatch by any Foreign mails despatched the same night.

Geo. Ed. WALKER, Offg. Presidency Postmaster.  
General Post Office, the 24th January 1893.

### Unclaimed Letters held in the Calcutta General Post Office on 24th January 1893.

Arthur, Geo. H.	Kaurmer, Handels.
Balfour, L. C.	Lewtey, Miss R. (care of W. T. Lewtey)
Bander, Mr.	Marderos, Porossiantz.
Caddy, Dr. Arnold.	McBean, Bowker & Co.
Clark, Dr. F. E.	Rowland, H. J.
Clarkson, J. G.	Ross and Sons, W. A.
Coates, E. G.	Smith, John.
Coelho and Hunter.	Sinha, Mookerjee & Co.
Collins, A. A.	Stanley, G. & Co.
Dederding, Mons.	Stewart, D. G.
Digby, Wm.	Stephens, A. (Dentist.)
Gasper, H. J.	Water, & Co., A.
Guest, W.	Williams, J. and Co.
Halliday, Mrs. W. P.	
Hart-Bush, Mrs.	

#### Letters marked Care of "Post Office."

Addis, A.	Burnaby, Major R. B.
Ainsworth, Mrs.	Cartwright, S. W.
Allen, C. H.	Charipher, M.
Andrews, H. M.	Clark, Rev. F. E.
Armstrong, Mrs.	Conolly, C. A.
Augustine, S. M.	Cook, S. G.
Barrington, E.	Congers, Arthur.
Barron, R. B.	Courjon, Miss.
Beckett, Miss.	Crawford, H. E.
Bell, F.	Crawley, John G.
Bell, J. Hyslop.	Currie, John.
Bentley, Edward.	Davison, Mr. M. B.
Bentley, Mrs.	Demrolais, S. R. L.
Bernhard, S.	DeSouza, A. S. R.
Berry, Mrs. E. R.	Deuhelm, John.
Blancouil, Henri.	Douglas, G. P. Home.
Bradley, John.	Dwyer, Dr. M. O.
Braunmeyer, Dr. Jur Franz.	Edarling, J. B.
Brewer, Thos.	Fawns, Miss M.
Brown, M.	Forayth, Mrs.
Bryden, Mrs. Edward.	Forayth, Dr.

#### Letters marked Care of "Post Office."

Foster, H. E.	Murphy, J. C.
Foster, E. J.	Murphy, C. E.
George, J., Esq.	Murphy, M. F.
Garrett, E. L.	Nation, Fred.
Gordon, Douglas.	Naylor, Mrs. H. A.
Graydon, N. A.	Nellock, Mrs. Mario.
Green, J. T.	Newington, Mrs.
Grunwald, Mrs. Rosa.	O'Donnell, Capt. A. C.
Hamilton, E.	Oton, S. D.
Hawkins, H.	Payr, Charles.
Harwood, H.	Peatling, T. H.
Hayden, Miss M.	Philips, G. M.
Hennessy, A.	Photographic Apparatus Manufacturer.
Hosie, John.	Pops, Wm.
Houston, U. K.	Pretty, R. N.
Hunter, C. H.	Pryce, A. E.
Isaacs, Elias H.	Pyle, Mrs. H. C.
Jahel, B. G.	Reilly, Mrs. E. A.
Johnson, Miss Cissie.	Reichlin, Baron.
Johnston, Miss R.	Robinson, Mrs. E. A.
Johnston, Mrs.	Roggs, C. W.
Kalberer, L. L.	Savi, Henry.
Kane, R. J.	Saxby, Frank.
Kidd, Dr. C. E.	Schmidt, H., Esq.
Kohnsperger, Edmund.	Shaw, Mrs.
Laing, James.	Shillingford, Mrs.
Lalor, Mrs.	Skinner, G. E. C.
Lawrence, Lincoln.	Smith, Mrs. A.
LeFevre, John.	Smith, T. D.
Lee, J. W.	Sinclair, Henry.
Le Plastrier, C. A.	Stack, Mr.
Lindemann, L. K.	Stanier, Beville.
Lowe, Mrs. A. M.	Stogdon, Miss.
Lynch, C. P.	Taylor, Wm.
Lyons, B.	Thomas, Miss M.
Macaulay, Capt. M.	Tow, M.
Maclean, F. H.	Thompson, L.
MacMahon, Jas.	Van Opstal, L. S.
Main, J.	Walker, H. R.
Marchetto, Tomaso.	Walker, H. deR.
Mauzzi, Lorenzo.	Watts, Miss.
McCarthy, John.	Walsh, M. A. S.
McDonald, D. M. K.	Webb, E. T.
McCartie, Surgeon-Major.	Weichert, W.
Medd, G. H.	Weir, W. H.
Merz, Charles.	Whitelaw, John.
Moore, Miss Edith.	Wichmann, Baron.
Monteah, J. H.	Wilcox, James.
Moon, E. R. P.	Wilson, Dr. Geo. A.
Moss, L. E.	
Munro, Miss.	

#### Registered Letters.

Castineceras, Senor Don Jose.	Newington, D.
Doyle, Miss. Bessie.	Payr, L. V.
Gay, R.	MacMahon, James.
Gregory, John.	Marchetto, Tomaso.
Loudon, Mrs. Jessie J.	Walker, Henry.
	Martin, Mr.

#### Unclaimed Letters held in the Barrackpore Post Office on the 23rd January 1893.

Cook, G. H.	Stephenson, Dr.
Finlay, Mrs. J. F.	Stewart, Col. J. N.
Macmahon, Capt. J. J.	

G. E. WALKER,

Offg. Presidency Postmaster, Calcutta.

**Annual Statement of the Seaborne Trade and Navigation of the Bengal Presidency and of its Chief Port (Calcutta), and each of its Subordinate Ports (Chittagong, Balasore, Cuttack, Pooree, and Narain-gunge.) Volumes I and II. Price Rs. 20 for 1891-92. Published at the Calcutta Custom House. Previous years volumes can also be obtained at the same price.**

**A Manual of Tibetan, being a Guide to the Colloquial Speech of Tibet, in a series of progressive Staff Corps, Late Deputy Commissioner of Darjeeling. Price Rs 6: postage, 3 annas.**

Copies are to be had at the Office of the Director of Public Instruction.

## Nadia Rivers.

Report showing the least depths of water for the week ending Friday, the 13th January 1893.

Name of river.	Reach of river.	Least depth of water soundings.	REMARKS.
		Ft. In.	
Bhagirathi.	Entrance from Ganges ...	3 3	
	Thence to Nurpur ...	2 0	Modinpur.
	From Nurpur to Jungipur ...	1 0	Nurpur.
	„ Jungipur to Berhampur ...	1 6	Dujjerpur.
	„ Berhampur to Cutwa ...	3 3	Moshampur.
Bhagirathi-Jalangi.	Entrance from Ganges ...	7 0	
	Thence to Akriani ...	4 3	
	Akriani to junction of the Bhagirathi and Jalangi ...	4 0	Chukrama.
	Thence to Pakubari ...	4 0	Lahingore.
Mathabanga.	Entrance from Ganges ...	.....	Glood.
	Thence to Chyapara ...	0 1	Chyapara.
	From Chyapara to Shikarpur ...	0 2	Jamalpur.
	„ Shikarpur to Bealia ...	0 0	Molepara.
	„ Bealia to Chundanga ...	3 0	Mohespore.
	Chundanga to Keesanjanj and Houskhali ...	2 6	Chapra.

## Gange Readings.

Locality.	Date.	Hour.	Height above zero.	Height above mean sea-level.	REMARKS.
			Feet.	Feet.	
Ganges.	Sahibganj ...	11-1-93	A.M.	0 00	00 00
	Campur Bada ...	11-1-93	12	0 31	42 31
	Entrance of Bhagirathi ...	11-1-93	7	4 40	30 71
	Entrance of Bhagirathi-Jalangi ...	11-1-93	...	6 12	44 44
Bhagirathi.	Entrance of Mathabanga ...	11-1-93	...	3 22	...
	Berhampur ...	11-1-93	12	3 58	37 73
	Kisimachar ...	11-1-93	...	3 00	11 58
Jalangi.	Surpung ...	11-1-93	6	2 58	10 58
	Hanskhali ...	11-1-93	...	1 75	12 60

PERNA CHANDRA ROSE,

for Eng. Pagn., Nadia Rivers Division.

Berhampur, the 15th January 1893.

## The Indian Law Reports.

Published under Authority.

THE Indian Law Reports, published under the authority of the Governor-General in Council, appear in monthly parts, published as soon as possible after the first of each month at Calcutta, Madras, Bombay, and Allahabad, and comprising four series, one for the Calcutta High Court, one for the Madras High Court, one for the Bombay High Court, and a fourth for the Allahabad High Court. The reports are published by the Privy Council on appeal from each High Court, and are included in the Series for that High Court. Cases heard by the Privy Council on appeal from Provincial Courts, and judgments of the High Courts are reported in the Calcutta Series.

The Calcutta Series is distributed by the Bengal Secretariat, and the Madras, Bombay, and Allahabad Series are distributed direct from Madras, Bombay, and Allahabad respectively.

In preparation of the preceding advertisements, on and from the 1st January 1893 the terms of subscription and sale will be as follows for current issues as well as for back numbers of the Reports from 1876:—

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„ a part of the Calcutta Series purchased separately (exclusive of postage in India) ...	.....	2 0 0
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„ each of the Madras, Bombay and Allahabad Series. For the year ...	4 4 0	4 11 0

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Superintendent, Government Press, Madras.

The Superintendent, Government Central Press, Bombay.

„ Curator of Government Books, North-Western Provinces and Oudh.

„ Superintendent of Government Printing, Bengal.

Orders and subscriptions for 1892 should be at once registered and remitted by money-order payable to the Accountant and Treasurer, Bengal Secretariat, Calcutta.

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„ six „ ...	145	96	61
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## Notice.

NOTICE is hereby given that the terms for the purchase of publications from the Bengal Secretariat Press, except for Government offices or offices under the control of Government Officers are strictly cash and on no other terms will any publication be supplied, or advertisement, notice, &c., inserted in either of the Gazettes.

In the case of indigency notices, cash must be sent with such notices when forwarded by Mofussil courts or officers, and for those forwarded by the Official Assistants cash must be paid on presentation of memorandums of cost by the Accountant and Treasurer, Bengal Secretariat.

Remittances in postage stamps should be accompanied by an addition of one anna in the rupee on account of discount.

## Notice.

The 29th March 1893.—The subscription to, and postage for, the *Calcutta Gazette* will henceforth be at the following rates, payable in advance:—

For the Mofussil.

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Postage ...	5 0 0	and VI ... 5 0 0
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Postage ...	3 0 0	
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Postage ...	2 0 0	Postage ... 0 1 0

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\*Containing the Acts and Rules of the Legislative Councils of India and Bengal.

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Casual advertisements, 1 anna per line.

The List of Books available for sale at the Secretariat Press will in future be published once only in each month. Spare copies of the List will, however, be kept in stock ready for issue on receipt of applications for them.

# The Calcutta Gazette.

PUBLISHED BY AUTHORITY.

WEDNESDAY, JANUARY 25, 1893.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

## PART V.

Acts of the Governor General's Council assented to by the Governor General.

GOVERNMENT OF INDIA.

### LEGISLATIVE DEPARTMENT.

The following Act of the Governor General of India in Council received the assent of His Excellency the Governor General on the 20th January, 1893, and is hereby promulgated for general information :—

#### ACT NO. I OF 1893.

*An Act to extend the provisions of the Bankers' Books Evidence Act, 1891, to the Books of Post Office Savings Banks and Money Order Offices.*

WHEREAS it is expedient to extend the provisions of the Bankers' Books Evidence Act,

1891, to the books of the savings banks and money order offices of the Post Office ; It is hereby enacted as follows :—

Short title and commencement.

I. (1) This Act may be called the Bankers' Books Evidence Act, 1893 ; and

(2) It shall come into force at once.

2. After clause Addition to definition of "bank" and "banker" in section 2, sub-section (2), of Act XVIII of 1891.

(b) of sub-section (2) of section 2 of the said Bankers' Books Evidence Act, XVIII of 1891, the following clause 1891. shall be added, namely :—

" (c) any post office savings bank or money order office."

J. M. MACPHERSON,

*Offg. Secretary to the Government of India.*



# The Calcutta Gazette.

PUBLISHED BY AUTHORITY.

WEDNESDAY, JANUARY 25, 1893

Separate paging is given to this Part in order that it may be filed as a separate compilation.

## PART VI.

### Bills introduced into the Council of the Governor General for making Laws and Regulations, or published under Rule 22.

GOVERNMENT OF INDIA.

#### LEGISLATIVE DEPARTMENT.

The following Bill was introduced in the Council of the Governor General of India for the purpose of making Laws and Regulations on the 12th January 1893:—

#### NO. 2 OF 1893.

#### *Bill to Amend the Presidency Small Cause Courts Act, 1882.*

WHEREAS it is expedient to amend the Presidency Small Cause Courts Act, 1882; It is hereby enacted as follows:—

1. (1) This Act may be called the Presidency Small Cause Courts Act, 1893; and  
Title and commencement.

(2) It shall come into force on the first day of

2. (1) For the proviso to the first paragraph of section 7 of the Presidency Small Cause Courts Act, 1882, herein referred to as "the said Act," the following shall be substituted, namely:—  
Amendment of section 7, Act XV, 1882.

"Provided that no person shall be appointed to be a Judge of such Court, or be authorised to exercise the powers of a Judge of such Court, unless he is of five years' standing—

(a) as a barrister of England or Ireland, or a member of the Faculty of Advocates in Scotland, or

(b) as an advocate, vakil or attorney of a High Court of Judicature established under the Indian High Courts Act, 1861, or

(c) as a Judge of a Court of Civil Judicature, or

(d) partly in one and partly in another of such capacities:

and that no person other than a barrister, member of the Faculty of Advocates or advocate of a High Court of such standing as aforesaid shall be appointed to be Chief Judge of such Court."

(2) The last paragraph of section 7 of the said Act is hereby repealed.

Substitution of new section for section 9, Act XV, 1882, and temporary continuance of existing procedure and practice.

3. For section 9 of the said Act the following shall be substituted, namely:—

"9. (1) The High Court may from time to time, by rules having the force of law,—  
Procedure and practice of Small Cause Court.

(a) prescribe the procedure to be followed and the practice to be observed by the Small Cause Court either in supersession of or in addition to any provisions which were prescribed with respect to the procedure or practice of the Small Cause Court on or before the thirty-first day of December, 1892, in or under the Presidency Small Cause Courts Act, 1882, or any other enactment for the time being in force, and

(b) cancel or vary any such rule or rules.

"Rules made under this section may provide, among other matters, for the exercise by one or more of the Judges of the Small Cause Court of any powers conferred on the Small Cause Court by this Act or any other enactment for the time being in force."

(2) The law, and any rules and declarations made, or purporting to be made, thereunder, with respect to procedure or practice, in force, or treated as in force, in the Small Cause Court on the thirty-first day of December, 1892, shall be in force, unless and until cancelled or varied by rules made by the High Court under this section.

4. After section 18 of the said Act the following shall be added, namely:—  
Addition to section 18, Act XV, 1882.

"18A. The Small Cause Court may allow a plaintiff at or before the first hearing of a suit in which a several liability is alleged on a cause of action

arising either wholly or in part within the local limits of the jurisdiction of the Court to abandon the suit as against any defendant who

Plaintiff may abandon suit against defendant resident out of jurisdiction.



does not reside or carry on business or personally work for gain within such local limits, and to sue for a decree against such defendants only as do so reside, carry on business or personally work for gain."

5 After section 19 of the said Act the following shall be added, namely:—

Addition to section 19, Act XV, 1882.

"19A. When the right of a plaintiff and the relief claimed by him in the Small Cause Court

depend upon the proof or disproof of any right to or interest in immoveable property or any other title which the Court cannot finally determine, the Court may at any stage of the proceedings return the plaint to be presented to a Court having jurisdiction to determine the title. When the Court so returns a plaint, it shall comply with the provisions of the second paragraph of section 57 of the Code of Civil Procedure and make such order with respect to costs as it may think just, and the Court shall, for the purposes of the Indian Limitation Act, 1877, be deemed to have been unable to entertain the suit by reason of defect of jurisdiction. When a plaint so returned is afterwards presented to a High Court, credit shall be given to the plaintiff for the amount of the court-fee paid in the Small Cause Court in respect of the plaint in the levy of any fees which according to the practice of the High Court are credited to the Government.

XIV of 1882.

XV of 1877.

Repeal of Act XV, 1882, section 23 and Second Schedule.

Substitution of new Chapter for Chapter VI, Act XV, 1882.

6. Section 23 of and the second schedule to the said Act are hereby repealed.

7. For Chapter VI of the said Act the following shall be substituted, namely:—

#### "CHAPTER VI.

##### "NEW TRIALS AND APPEALS.

"37. Save as otherwise provided by this Chapter or by any other decrees and orders of the Small Cause Court, being in force, every decree and order of the Small Cause Court in a suit shall be final and conclusive.

"38. Where a suit has been contested, the Small Cause Court may, on the application of either party, made within eight days from the date of the decree or order in the suit (not being a decree passed under section 522 of the Code of Civil Procedure), order a new trial to be held, or alter, set aside or reverse the decree or order, upon such terms as it thinks reasonable, and may, in the meantime, stay the proceedings:

Provided that nothing in this section shall apply to any suit in which an appeal to the High Court would lie under the next section of this Act.

*Explanation.*— Every suit shall be deemed to be contested in which the decree is made otherwise than by consent of or in default of appearance by the defendant.

"39. Save as otherwise provided by any enactment for the time being in force, an appeal shall lie to the High Court from every decree of the Small Cause Court made in any suit of which the amount or value of the subject-matter exceeds one thousand rupees.

"40. (1) When hearing any suit in which an appeal from the decree to be made therein would lie under the last foregoing section to the High Court, the Judge of the Small Cause Court shall record a memorandum of the substance of the evidence and a statement of the grounds of his decision.

Rules with respect to decrees and orders appealable under the last foregoing section.

"(2) The period of limitation for an appeal to the High Court under the last foregoing section shall be the same as that provided by law for an appeal from a decree of the High Court in the exercise of its original jurisdiction, and the High Court shall have all the same powers and jurisdiction in respect of and incidental to every such appeal, as if it were an appeal from a decree of such Court in the exercise of such original jurisdiction."

8. In the construction of section 14 of the said Act the investigation of any claim preferred to or objection made to the attachment of any property attached in execution of a decree of the Small Cause Court shall be deemed to be the trial of a suit.

9. Notwithstanding anything contained in Chapter X of the Presidency Small Cause Courts Act, 1882 the Local Government may, with the previous sanction of the Governor General in Council, declare by notification in the local official Gazette:—

Fees leviable on plaints or for processes.

XV of 18

(1) that the fees to be levied on plaints presented to the Small Cause Court shall be regulated by Chapter III and Schedule I of the Court-fees Act, 1870; or

VII of 18

(2) that the fees to be levied for serving or executing processes issued by the Small Cause Court or served or executed under its direction or control shall be regulated by Chapter IV of the Court-fees Act, 1870;

and thereupon the fees leviable on plaints or for processes, as the case may be, shall be regulated accordingly.

XIV of 1892.

## STATEMENT OF OBJECTS AND REASONS.

1. THE object of section 2 of the Bill for the introduction of which leave is asked is to determine, more precisely than Act XV of 1882 does, the qualifications of the persons who may be appointed to be, or to exercise the powers of, Judges of Presidency Courts of Small Causes.

2. The effect of section 3 will be to leave to the High Court all powers of making rules with respect to the procedure and practice of Presidency Small Cause Courts.

It is based on the opinion expressed, by the Hon'ble the Chief Justice and Judges of the High Court of Judicature at Fort William in Bengal, in the following paragraph of their Registrar's letter No. 1383, dated the 1st June, 1891:—

"2. It seems to the Judges convenient, in the first place, to advert to the enquiry contained in the twelfth paragraph of your letter under reply, and I am to say, with reference thereto, that they concur with His Excellency in Council in thinking that it is desirable, while retaining the Code of Civil Procedure as a basis, to have the procedure of the Small Cause Court regulated by the High Court. The exact application of the provisions of the Statute 44 & 45 Victoria, chapter 68, section 27, would not, the Judges think, quite attain the desired object. They presume, however, that that enactment has been referred to rather as furnishing an analogy than as providing an exact precedent, and they desire, therefore, to recommend that the High Court be empowered to frame by rules having the force of law a procedure for the Small Cause Court either in supersession of, or in addition to, the provisions of the Civil Procedure Code, and from time to time to modify such procedure as experience may suggest. The undertaking is no doubt one of considerable difficulty; but the Judges are prepared to accept the responsibility, being satisfied that this is the most practical mode of arriving at a procedure which shall be found satisfactory and adapted to the purposes of the Small Cause Court."

3. Section 4 of the Bill has been suggested by the following remarks in a letter addressed to the Government of Bombay by Mr. W. E. Hart, Chief Judge of the Court of Small Causes, Bombay:—

"16. In regard to the amendment of the present Act, we think that section 18 should be so amended as to enable the Court to allow a plaintiff at or before the first hearing to strike out the name of any defendant resident beyond the jurisdiction, and take a decree against such defendants as are resident within the jurisdiction, in such suits as there is a several liability, on a cause of action arising within the jurisdiction.

"17. It not unfrequently happens that a plaintiff, in the belief that all his defendants are resident within the jurisdiction, files a suit against them, without previously obtaining the leave of the Court, on a cause of action arising wholly within the jurisdiction, on which they are jointly and severally liable. But when he comes to serve them with the summons he finds that, though some are still resident within the jurisdiction, others had left Bombay before the institution of the suit, and cannot be shown to have acquiesced in it. As the law at present stands, the suit must now wholly fail against all the defendants, and the plaintiff be put to the expense of instituting a new suit if it be not time-barred either against all the defendants, after obtaining the leave of the Court, or against the resident defendants only without such leave. But in many cases the plaintiff is too late even to adopt this course, and loses his whole claim, the new suit being barred by limitation. The proposed amendment, which could be introduced by means of a proviso after clause (c) would enable him to obtain a decree in the original suit at least against the resident defendants."

In order, however, to prevent cases of improper severance it is provided that the plaintiff must purchase this privilege by abandoning his claim against the non-resident defendants.

4. Section 5 of the Bill, based on section 23 of the Provincial Small Cause Courts Act, 1887, has reference to the following remarks in Mr. Hart's letter already referred to:—

"20. On the question of jurisdiction, moreover, some of my colleagues with myself are of opinion that section 10 should be so amended as to debar this Court from the cognizance of suits involving any question of title to immoveable property. Clauses (b), (c), (d) and (e) prevent us from entertaining suits for the determination of rights in immoveable property. One object of this doubtless is to prevent the time of a Small Cause Court, which ought to be occupied in the speedy determination of petty litigation, being taken up by the protracted hearings generally involved in adjudication on questions of title to immoveable property, which, though insignificant in themselves, may have far-reaching consequences, and are therefore generally keenly contested and can very rarely be summarily disposed of. But under the present law an equal amount of time is liable to be lost over a suit (e.g.) for rent, in which the defendant raises a question of title. Some of us think, having regard to the general policy of section 10 and to the anomaly involved in obliging a Court expressly debarred from jurisdiction to determine rights in immoveable property yet to determine questions indirectly involving such rights, which moreover in many instances are doubtless tentatively raised for the very purpose of obtaining indirectly the decision directly forbidden by the Legislature, that so soon as the Court is assured that there is a *bona fide* question of title involved in any suit it should be enabled to decline the jurisdiction. This it could do if to clause (g) were added some such words as 'or in which any question arises involving any such right or interest.'

21. I ought to add, however, that on this particular point we are not unanimous. The Fourth Judge Mr. Hormusji Dadabhoi, whose opinion has a peculiar value as that of an officer of long experience, both as a pleader and a Judge in this Court, considers that the amendment of section 10 ought to be rather in the direction of extending than of curtailing the jurisdiction of this Court, because the restrictions already

imposed have the effect of denying justice to poor litigants with small claims on those causes of action in which jurisdiction is withheld from this Court who are unable to incur the expense of a High Court suit. I had better quote his own words :—

\* As suggestions have been invited on other matters, I take this opportunity of prominently bringing to the notice of Government a serious defect in the existing law. Section 29 of Act XV of 1882, among other things, bars the cognizance of the following classes of suits :—

- (1) suits for the recovery of immoveable property ;
- (2) suits for the determination of any other right to immoveable property ;
- (3) suits for general average loss and suits on policies of insurance on sea-going vessels ;
- (4) suits for a dissolution of partnership or for an account of partnership transactions ;
- (5) suits for compensation for libel, slander, malicious prosecution or breach of promise of marriage.

\* These suits are not filed in the High Court, for the obvious reason that the aggrieved parties could not afford the luxury of a High Court action. The result is a practical denial of justice in such cases. The Court had jurisdiction to entertain these demands, but it was taken away by the Act of 1882.\*

"22. The great objection—to my mind an insuperable one—to Mr. Hormusji's suggestion is that without a material addition to its strength the Court could not undertake the disposal of such cases and remain what it was originally intended to be—a Court of summary procedure for the speedy determination of petty litigation. As it is at present constituted the Judges have not time for the trial of lengthy cases, nor is there in the office an establishment sufficient for the taking of long and complicated accounts. It is true that under the old Act we used to try some of the cases mentioned by Mr. Hormusji from the cognizance of which we are debarred by our present Act. But my experience of such cases was that they invariably took several days in trial. By the present Act our monetary jurisdiction was doubled. Thus, coupled with the annually increasing litigation in our Court, so increased the work, while no increase of the staff was contemplated, that it was absolutely necessary to limit as much as possible that class of cases which took the longest time to try. It is this consideration, I apprehend, that lies at the bottom of the restriction imposed upon our jurisdiction by section 19. Having in view the general utility of our Court to the public at large in its primary and most necessary character of a Court of summary procedure for the cheap, speedy and final determination of petty litigation, which is mostly concerned with the recovery of small debts, though I yield to none in the desire to afford cheap justice to all, I should, in the interests of the majority of litigants, be most unwilling to adopt Mr. Hormusji's suggestion to extend the jurisdiction of this Court so as to include cases of this class, except up in the terms of an addition to the staff of Judges and the strength of the office establishment. But if this cannot be given, and it should be thought right to give effect to Mr. Hormusji's proposal in the interest of those poor plaintiffs who are unable to meet the expense of a High Court suit in petty cases of ejectment, etc., I think it would be found necessary to reduce the pecuniary limit of the jurisdiction of the Court in order to enable it to deal with the increase of work so occasioned."

5. The amendment of section 38 of the Act contained in section 7 of the Bill is suggested by the following paragraph of the letter from Mr. Hart to which reference has already been made :—

"23. Another suggestion, in which we are unanimous, is that section 37 should be so amended as to make it apparent that the limitation of eight days within which application must be made for a new trial is not to be applied in the case of decrees and orders made *ex parte*, or to decrees and dismissals by default. As the section stands, it apparently overrides the previous enactment of the Limitation Act, which allows a longer period in the case of a suit determined *ex parte* for an application for a new trial. Construed literally, too, in the case of a decree *ex parte*, it would be necessary for the defendant to apply within eight days of the date of the decree, though he may not come to know of the existence of the suit till long after the expiration of that time. I think the insertion of the word 'contested' before the word 'suit,' wherever the latter occurs in section 37, would suffice to give effect to our recommendation. Applications for re-hearing in uncontested matters would then fall within the general law of limitation as regards the time within which they must be made. But of course the Court would still exercise a discretion as to refusing them when made unless satisfied that there were sufficient grounds for the non-appearance of the party making it, and the mere fact of the application would not necessarily operate in stay of execution."

6. The other provisions of section 7 of the Bill are founded upon the following paragraph of a letter, No. 1774 (Judicial), dated the 3rd September, 1891, from the Government of Madras :—

"3. It will be observed from the letters of the authorities consulted that there is a general consensus of opinion that—

- (1) the Small Cause Court should retain the power it at present possesses of trying summarily suits between Rs. 1,000 and Rs. 2,000 in value ;
- (2) there should be an appeal to the High Court in the case of all suits exceeding Rs. 1,000 in value ;
- (3) sections 38 to 40 of Act XV of 1882 should be repealed.

With these opinions His Excellency in Council is in complete accord, and the first in particular he strongly endorses. As regards the institution of regular appeals against decrees in suits valued at more than Rs. 1,000, I am to invite attention to paragraph 6 of the High Court's letter, from which it will be observed that the present system of recording notes of evidence in the Small Cause Court is considered sufficient for the purposes of the Appellate Court."

7. Sections 8 and 9 of the Bill have been inserted at the suggestion of the Government of Madras.

The 11th January, 1893.

ALEX. EDW. MILLER.

J. M. MACPHERSON,

Offg. Sec. to the Government of India.

GOVERNMENT OF INDIA,  
LEGISLATIVE DEPARTMENT.

The following Bill was introduced in the Council of the Governor General of India for the purpose of making Laws and Regulations on the 12th January, 1893:—

NO. 3 OF 1893.

THE HABITUAL OFFENDERS BILL.

CONTENTS.

SECTIONS.

1. Title, extent and commencement.
2. Security for good behaviour of habitual offenders.
3. Power to order police surveillance instead of taking security for good behaviour.
4. Power to order police surveillance in default of security for good behaviour.
5. Power to declare convicted persons to be habitual offenders for the purposes of sections 6 and 7.
6. Power of convicting Court to order habitual offender to be placed under police surveillance in addition to sentence of imprisonment or transportation.
7. Power of Appellate Court to order police surveillance.
8. Appeal and revision in the case of orders for police surveillance.
9. Conferment, continuance and cancellation of powers.
10. Power to accept security for good behaviour in lieu of police surveillance.
11. Power to cancel order for police surveillance.
12. Power to make rules as to police surveillance.
13. Penalties for breach of rules.
14. Arrest of person under police surveillance found beyond prescribed limits.
15. Reports as to persons under police surveillance.
16. Trial of persons previously convicted of offences against coinage, stamp-law or property.
17. Amendment of Act X of 1882, section 340.
18. High Court's power of revision.
19. Power to require payment of compensation for injury caused by certain classes of offences against property.

*A Bill to provide for the more effectual surveillance and control of habitual offenders, and for other purposes.*

WHEREAS it is expedient to provide for the more effectual surveillance and control of habitual offenders, and for certain other matters hereinafter appearing;

It is hereby enacted as follows:—

1. (1) This Act may be called the Habitual Offenders Act, 1893.  
Title, extent and commencement.

(2) It extends to the whole of British India; and

(3) It shall come into force on the

2. In section 110 of the Code of Criminal Procedure, 1882, for the words "receives information that any person within the local limits of his jurisdiction is an habitual robber, house-breaker or thief, or an habitual receiver of stolen property knowing the same to have been stolen, or that he habitually commits extortion, or in order to the committing of extortion habitually puts or attempts to put persons in fear of injury," the following shall be substituted, namely:—"receives information that any person within the local limits of his jurisdiction—

(a) is by habit a robber, house-breaker or thief, or

(b) is by habit a receiver of stolen property knowing the same to have been stolen, or

(c) habitually protects or harbours thieves or aids in the concealment or disposal of stolen property, or

(d) habitually commits mischief or extortion, or

(e) in order to the committing of extortion, habitually puts or attempts to put persons in fear of injury, or

(f) is of a character so desperate and dangerous as to render his being at large without security hazardous to the community."

3. When any Presidency Magistrate, District Magistrate or Sub-divisional Magistrate, or any Magistrate of the first class specially empowered in this

Power to order police surveillance instead of taking security for good behaviour.

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behalf by the Local Government, has required any person referred to in section 110 of the Code of Criminal Procedure, 1882, as amended by this Act, to show cause why he should not be ordered to execute a bond for his good behaviour,

he may, if he shall think fit, instead of making an order under section 118 of that Code requiring such person to execute a bond as aforesaid, order that he be placed under police surveillance for any term not exceeding three years.

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4. Should any person ordered under section 118 of the Code of Criminal Procedure, 1882, to give security for good behaviour fail to give such security at or before the commencement of the period for which such security has been ordered to be given, the Magistrate who made the order requiring security may, instead of directing that the person be committed to, or detained in, prison under section 123 of the same Code, order that he be placed under police surveillance for any term not exceeding three years.

5. When any person is convicted of an offence punishable under Chapter XII or Chapter XVII of the Indian Penal Code with imprisonment for a term of three years or upwards and

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Power to declare convicted persons to be "habitual offenders" for the purposes of sections 6 and 7.

(a) he is proved to have been previously convicted of any such offence, and

(b) the Court or Magistrate is satisfied, upon the evidence produced before him or it that he habitually commits crime, or depends on crime as a means of livelihood,

the Court or Magistrate may make an order declaring him, for the purposes of sections 6 and 7 of this Act, to be an habitual offender.

6. (1) Any High Court, Court of Session, Presidency Magistrate, District Magistrate or Sub-divisional Magistrate, or any Magistrate of the first class specially empowered by the Local Government in this behalf, may, if it or he shall think fit, when passing a sentence of imprisonment or transportation on an habitual offender, order that he be placed under police surveillance for any term not exceeding seven years from the date of the expiration of the sentence.

(2) Whenever a Magistrate of the first class who has not been specially empowered under sub-section (1), or a Magistrate of the second or third class has passed a sentence of imprisonment on an habitual offender, and is of opinion that he ought to be placed under police surveillance on the expiration of the sentence, he may record the opinion and submit his proceedings, and forward the offender, to the District Magistrate or the Sub-divisional Magistrate to whom he is subordinate

(3) The Magistrate to whom the proceedings are submitted may, if he shall think fit, examine the parties and recall and examine any witness

who has already given evidence in the case, and call for and take any further evidence; and may, if he shall think fit, order that the offender be placed under police surveillance for any term not exceeding seven years from the date of the expiration of his sentence.

7. An Appellate Court acting under clause X of 1882 (b) of section 423 of the Code of Criminal Procedure, 1882, may, if it shall think fit, order that an habitual offender who has been sentenced to imprisonment or transportation be placed under police surveillance for any term not exceeding seven years from the date of the expiration of the sentence.

8. (1) Every order for police surveillance made under section 3 of this Act shall be subject to the same rights of appeal to and powers of revision by superior Courts and Magistrates as if it had been an order for security to be given made under section 118 of the Code of Criminal Procedure, 1882.

(2) Every order for police surveillance made under section 6 or section 7 of this Act shall be subject to the same rights of appeal to and powers of revision by superior Courts and Magistrates as if it had formed part of the sentence to which it is attached.

9. The provisions of sections 39, 40 and 41 of the Code of Criminal Procedure, 1882, shall apply in the case of orders by the Local Government conferring powers on Magistrates under section 3 or section 6 of this Act.

10. (1) Any person who has been placed under police surveillance may at any time apply to a Presidency Magistrate, District Magistrate or Sub-divisional Magistrate to have security for his good behaviour taken in lieu of police surveillance.

(2) Should the Magistrate be of opinion that the continuance of police surveillance is necessary, he may reject the application, but shall record his reasons for so doing.

(3) Should the Magistrate be of opinion that security may, without hazard to the community or to any person,\* be taken in lieu of police surveillance, then,—

(a) if the order for surveillance was made by himself or by his predecessor in office or by any subordinate Magistrate, he shall make an order under section 112 of the Code of Criminal Procedure, 1882; and,

† b) if the order for surveillance was made by a High Court, a Court of Session or any superior Magistrate, he shall make an immediate report of the case for the orders of such Court or Magistrate, as the case may be, and such Court or Magistrate may, if it or he shall think fit, direct that an order be made under section 112 of the said Code.

\* Cf. Act X of 1882, s. 340.]

[\* Cf. / of 1882, 124. par

[† Cf. / 1882, 124. par

(4) The provisions of Chapter VIII of the said Code shall, as far as may be, apply in the case of every order made under section 112 thereof in pursuance of this section :

Provided that the bond for the good behaviour of the applicant shall, unless the applicant is discharged under section 124 or the bond is cancelled under section 125, continue in force until the expiration of the term for which he was ordered to be placed under police surveillance.

(5) When any person has furnished security for his good behaviour in pursuance of this section, the order on which he was placed under police surveillance shall become void.

11. Whenever a Presidency Magistrate or District Magistrate is of opinion that an order for police surveillance may be cancelled without hazard to the community or to any person, then,—

(a) if the order was made by himself or by his predecessor in office or by some subordinate Magistrate, he may cancel the same, and,

(b) if the order was made by a High Court or a Court of Session, he shall make an immediate report of the case for the orders of such Court, and such Court may, if it shall think fit, cancel the same.

12. (1) The Local Government, with the previous sanction of the Governor General in Council, may make rules to provide for all or any of the following matters, namely:—

(a) the maintenance of registers of persons under police surveillance ;

(b) the form in which the registers shall be made ;

(c) the limits within which persons registered in any locality are permitted to reside ;

(d) the conditions under which persons under surveillance may have their names transferred from one register to another ;

(e) the conditions under which temporary passes may be granted to persons not desiring to change their registered place of abode ;

(f) the conditions to be inserted in any such pass as to—

(i) the places to which or the limits within which the holder of the pass is authorized to go,

(ii) the officers before whom he shall be bound to present himself from time to time, and

(iii) the time during which he may absent himself ;

(g) conditions as to answering at roll-call or otherwise, so that it may be ascertained that the persons whose names are on the register are actually present at given hours or times within the said limits ;

(h) the inspection of the residences of such persons, and the prevention or removal of contrivances for enabling the residents therein to conceal stolen property or to leave their place of residence without leave ; and

(i) generally, the carrying out of the purposes of this Act in regard to police surveillance.

(2) The Local Government, with the like sanction, may cancel or vary any rule made under this section.

(3) No rule, nor any cancellation or variation of a rule, made under this section, shall take effect until it has been published in the official Gazette.

13. Should any person under police surveillance commit a breach of any rule made under section 12, he shall be punished with imprisonment for a term which may extend to one year, or with fine, or with both. [Cf. Act XXVII of 1871, s. 19.]

14. (1) If any person under police surveillance is found in any part of British India beyond the limits of the locality in which he is registered without such pass as may be required by the rules made under section 12, or in a place or at a time not permitted by the conditions of his pass, he may be arrested, without warrant, by any police-officer or village-watchman, and taken before a Magistrate, who, on proof of the facts, shall order him to be removed to the district in which he ought to have resided, there to be dealt with according to the said rules. [Cf. Act XXVII of 1871, s. 20.]

(2) The procedure for the time being prescribed by law for the removal of prisoners shall apply to all persons removed under this section :

Provided that an order from the Governor General in Council, the Local Government or the Inspector General of Prisons shall not be necessary for the removal of any such person.

15. After clause (d) of section 45 of the Code of Criminal Procedure, 1882, the following shall be inserted, namely:— [Cf. Act XXVII of 1871, s. 21.]

(e) the breach of any of the rules under section 12 of the Habitual Offenders Act, 1893, by any person under police surveillance who resides in such village ;

(f) the absence of any such person at night without leave, or his association with individuals of bad repute, or his ceasing to labour or to obtain a livelihood by honest means ;

(g) the departure of any such person from such village without leave ;

(h) the arrival at such village without leave of any person whom he knows or reasonably believes to be under police surveillance ; [Cf. Act X, 1882, s. 45.]

(i) the arrival at the village or residence therein of any person who has no ostensible means of livelihood or cannot give a satisfactory account of himself."

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[Cf. Act X  
of 1882, s.  
349.]

16. For section 348 of the Code of Criminal Procedure, 1882, the following shall be substituted, namely:—

“348. Whenever any person who has been declared to be an habitual offender under section 5 of the Habitual Offenders Act, 1893, or has been convicted of an offence punishable under Chapter XII or Chapter XVII of the Indian Penal Code with imprisonment for a term of three years or upwards, is accused of any offence punishable under either of those Chapters with imprisonment for a term of three years or upwards, and the Magistrate before whom he is so accused having jurisdiction, is of opinion, after hearing the evidence for the prosecution and the accused, that the accused is guilty and that, by reason of his having been declared or convicted as aforesaid, he ought to receive a severer punishment than such Magistrate is empowered to inflict, he may record his opinion and submit the proceedings and forward the accused to the Court of Session.

“The Court of Session may, if it shall think fit, examine the parties and recall and examine any witness who has already given evidence in the case, and call for and take any further evidence, and shall pass such judgment, sentence or order in the case as it may think fit and as may be according to law.”

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17. In the proviso to section 349 of the Code of Criminal Procedure, 1882, for the words and figures “sections 32 and 33,” the words and figures “sections 32, 33 and 34,” shall be substituted.

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18. For the third paragraph of section 439 of the Code of Criminal Procedure, 1882, the following shall be substituted, namely:—

“In dealing with a sentence under this section, the Court may inflict for the offence which, in its opinion, the accused has committed any punishment which it might have inflicted if the offence had been triable and tried before itself in the first instance.”

Power to require payment of compensation for injury caused by certain classes of offences against property.

19. (1) Whenever it appears to the Local Government—

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(a) that offences against section 427, section 428, section 429, section 435 or section 436 of the Indian Penal Code are commonly committed or that conspiracies to commit such offences or any of them are frequently hatched in any tract of country, and that the inhabitants thereof, or a large class or large classes of them,

are combined to withhold information in their possession which might lead to the detection of the offenders or conspirators, or

(b) that offences against section 395 or section 400 of the same Code or thefts of cattle are commonly committed in any tract of country by a member or members of a clan, and that the members of the clan are combined to withhold information in their possession which might lead to the detection of the offender or offenders,

the Local Government, with the previous sanction of the Governor General in Council, may, by notification, declare the provisions of this section to apply to that tract.

(2) Every such notification shall be published in the official Gazette and in such other manner as the Local Government may direct.

(3) The limits of the tract to which any such notification relates shall be defined in the notification.

(4) The Local Government may cancel any such notification or restrict or, with the previous sanction of the Governor General in Council, extend the limits of the tract to which it relates.

(5) When any offence referred to in sub-section (1) has been committed in a tract to which this section applies, and the District Magistrate is satisfied, after the expiration of a period of three months from the date of the commission of the offence, that, in consequence of such combination as aforesaid, the offender cannot be traced, he may—

(a) make an award fixing the amount of compensation payable to the sufferers for the injury caused by the offence,

(b) make an order determining the village or villages by the inhabitants of which, or the persons or class or classes of persons by whom, the amount so awarded shall be paid, and

(c) make an order assessing the proportion in which the same shall be paid by each such inhabitant or person according to his judgment of their respective means:

Provided that no portion of the compensation so awarded shall be payable by any person or class of persons whom the Magistrate shall, in such order, declare to be innocent of complicity with the offence.

(6) An award or order made under sub-section (5) shall not take effect until it has been confirmed by the Commissioner of the Division, or, where there is no such Commissioner, by the Local Government.

(7) When an assessment has been confirmed under sub-section (6) the amount assessed shall be recoverable, under the warrant of the District Magistrate, in the manner provided by sections 386 and 387 of the Code of Criminal Procedure, 1882, for the recovery of fines. X

## STATEMENT OF OBJECTS AND REASONS.

THE principal object of this Bill is to provide for the more effectual surveillance of habitual offenders, and thereby to enable the police to control and check their movements. In this respect it is founded on the model of section 8 of the Prevention of Crimes Act, 1871 (34 & 35 Vict., c. 112), which is believed to have been attended with excellent results.

2. Taken in detail, its provisions may be classified under four heads :—

- (1) the improvement of the law relating to security for good behaviour (sections 2 to 4) ;
- (2) the surveillance of convicted persons judicially declared to be habitual offenders (sections 5 to 15) ;
- (3) the modification of the procedure for the trial and adequate punishment of habitual offenders (sections 16 to 18) ;
- (4) the repression of certain offences against property by the assessment of compensation in the localities where they occur (section 19).

3. *Section 2.*—Magistrates are authorised to require security for good behaviour from persons who (i) habitually protect or harbour thieves or aid in the concealment or disposal of stolen property, or (ii) habitually commit mischief, or (iii) are of a character so desperate and dangerous as to render their being at large without security hazardous to the community.

4. *Sections 3 and 4.*—Magistrates are empowered to order police surveillance for any term up to three years in lieu of requiring security for good behaviour.

5. *Sections 5 to 15.*—Sections 6 to 15 contain provisions for the surveillance of persons who have been declared under section 5 to be “habitual offenders.” Two convictions under Chapter XII or Chapter XVII of the Indian Penal Code are essential; and it is further necessary before such a declaration can be made that the Court or Magistrate shall be satisfied on the evidence that the accused habitually commits crime or depends on crime as a means of livelihood.

The maximum period of police surveillance is, as in the English Act, seven years from the date of the expiration of the substantive sentence; and such orders have been made subject to appeal and revision as if they formed part of the substantive sentence to which they are attached.

Magistrates are empowered to accept security for good behaviour in lieu of police surveillance, and to cancel orders for surveillance when this can safely be done.

6. *Section 16.*—The only modification which has been made in the procedure for the trial of habitual offenders is the amendment of section 348 of the Code of Criminal Procedure, 1882, on the lines of section 349. Section 348 provides that, when a person who has been convicted of an offence punishable under Chapter XII or Chapter XVII of the Penal Code is again accused of any such offence, he shall ordinarily, if the Magistrate before whom he is accused considers him to be an habitual offender, be committed to the Court of Session. Section 16 of the Bill authorizes the Magistrate in such cases to take cognizance of the offence himself and to enter a conviction and refer the case to the Court of Session for sentence, the Court of Session being at liberty to make or direct such further enquiry as it may think fit.

7. *Section 19.*—This section contains provisions for the repression of offences against property in cases in which they can be traced to a particular locality but the offenders cannot be identified owing to a combination of the inhabitants to withhold information which would lead to their detection. In such cases the Magistrate has been empowered to assess compensation on the residents of the locality generally, excluding any persons or classes of persons whom he finds to be clearly innocent of complicity with the offence.

*The 12th January, 1893.*

PHIL. P. HUTCHINS.

J. M. MACPIERSON,

*Offg. Secretary to the Government of India.*





## GOVERNMENT OF INDIA.

## LEGISLATIVE DEPARTMENT.

The following Bill was introduced in the Council of the Governor General of India for the purpose of making Laws and Regulations on the 12th January, 1893:—

## NO. 4 OF 1893.

*A Bill to extend the provisions of the Bankers' Books Evidence Act, 1891, to the Books of Post Offices carrying on Savings Bank or Money Order Business.*

WHEREAS it is expedient to extend the provisions of the Bankers' Books Evidence Act, 1891, to the books of post offices carrying on

savings bank or money order business; It is hereby enacted as follows:—

Short title and commencement.

I. (1) This Act may be called the Bankers' Books Evidence Act, 1893; and

(2) It shall come into force at once.

2. After clause Addition to definition of "bank" and "banker" in section 2, sub-section (2), of Act XVIII of 1891.

(b) of sub-section (2) of section 2 of the said Bankers' Books Evidence Act, XVIII of 1891, the following clause shall be added, namely:—

"(c) any post office carrying on savings bank or money order business in respect of such business."

## STATEMENT OF OBJECTS AND REASONS.

THE object of this Bill is to extend the provisions of the Bankers' Books Evidence Act (XVIII of 1891) to the books of post offices carrying on savings bank or money order business. The Select Committee on the Bill which afterwards became Act XVIII of 1891 considered that these books were public documents within the meaning of section 74 of the Indian Evidence Act, 1872, and covered therefore by section 65 of that Act, and accordingly did not recommend their inclusion in the Bill before them. It has, however, been brought to the notice of Government by the Director General of the Post Office that, without questioning the correctness of the view of the law taken by the Select Committee, there are practical advantages in bringing these books expressly under the Act of 1891 rather than relying on the Evidence Act, and, in order to secure these advantages, the present Bill has, at his request, been prepared.

The 11th January, 1893.

ALEX. EDW. MILLER.

J. M. MACPHERSON,

Offg. Secretary to the Government of India.



## GOVERNMENT OF INDIA.

## LEGISLATIVE DEPARTMENT.

The following Bill was introduced in the Council of the Governor General of India for the purpose of making Laws and Regulations on the 12th January, 1893 :—

No. 6 of 1893.

*A Bill to amend the Inland Emigration Act, 1882.*

Whereas it is expedient to amend the Inland Emigration Act, 1882; It is hereby enacted as follows :—

1. (i) This Act may be called the Inland Emigration Act, 1893; and

Short title and commencement. (2) it shall come into force at once.

2. For section 1 of the said Inland Emigration Act, 1882, the following

Substitution of new section for section 1, Act 1 of 1882. "This Act may be called the Assam Labour and Emigration Act, 1882.

Short title. "It extends—

Local extent. (a) to the territories respectively administered by the Lieutenant-Governors of Bengal and the North-Western Provinces and the Chief Commissioners of Oudh, the Central Provinces and Assam, and to the district of Ganjam; and

(b) to such other portions of the territories administered by the Governor of Fort St. George in Council as the Governor in Council, with the previous sanction of the Governor General in Council, may, by notification in the Fort St. George Gazette, from time to time, direct.

Commencement. "It shall come into force—

(i) in the territories mentioned in clause (a) of this section at once; and

(ii) in any territories to which it may be extended by a notification under clause (b) of this section on such day as may be specified in that behalf in such notification."

3. (i) In section 3 of the said Act, in the definition of the expression "the labour districts," the words "Chittagong, the Chittagong Hill Tracts," and "Khasi Hills" are hereby repealed.

(2) In the same section of the said Act, in the definition of the word "emigrate," the words "not being a labour-district" are hereby repealed; and for the words "Chief Commissioner of Oudh" the following shall be substituted, namely :—

"Chief Commissioners of Oudh and the Central Provinces, or from any portion of the territories administered by the Governor of Fort St. George in Council, in which this Act may, for the time being, be in force.

4. In section 4 of the said Act, after the Amendment of section 4. words "labour-district" each time it occurs the words "or sub-division of a labour-district" shall be inserted.

5. After section 4 of the said Act the following shall be added, namely :—

"4A. The Local Government may, with the Power to exempt estates. previous sanction of the Governor General in Council, by notification in the local official Gazette, declare that any specified estate or group of estates in any labour-district within the territories administered by such Government shall, subject to such conditions as the Governor General in Council may in each case from time to time prescribe, cease from a day specified in such notification to be subject to all the provisions or any specified provision of this Act; and from such day such estate or group of estates shall, subject to the conditions prescribed, cease to be subject to the provisions of this Act or to the provisions so specified, as the case may be.

"The Local Government may, with the like sanction, in like manner, vary or cancel any such notification"

6 In section 6 of the said Act, after the words Amendment of section 6. "section four" the words and letter "section four A" be shall inserted.

7. For the penultimate paragraph of section 9 of the said Act the following shall be substituted, namely :—

"No such contract shall be made for a term exceeding three years or, if the contract is entered into under the provisions of section 111 of this Act, for a term exceeding one year, commencing from the date of its execution; or shall stipulate for a less rate of monthly wages for a completed daily task regulated in accordance with the provisions of this Act than five rupees in the case of a man and four rupees in the case of a woman."

8. After the same section of the said Act the following shall be inserted, namely :—

"9A. Unless the contract contains a specific obligation to this effect, no labourer shall be bound by any labour-contract entered into under this Act to undertake any work involving continuous labour under the ground."

9. After section 42 of the said Act the following shall be inserted, namely :—

"42A. If the employer with whom any labourer intends to contract or the agent of such employer has given notice to the Superintendent that before any labour-contract is entered into by him or on his behalf with

any labourer, the labourer shall be examined by a competent medical man and certified by him to be in a fit state of health and able in point of physical condition to reside and labour for hire in the labour-district in which the estate of such employer is situate, the Superintendent shall not permit such labourer to execute a labour-contract until such certificate from such medical man as aforesaid has been produced and shown to him.

"42B. If the employer or his agent has Medical officer entitled to fee. directed that such examination shall be made by any medical officer in the service of Government, such officer making the examination shall be entitled to receive from such employer or his agent such a fee not exceeding eight annas for each labourer so examined as the Local Government may fix."

Repeal of section 86.

10. Section 86 of the said Act is hereby repealed.

11. For sections 111 and 112 of the said Act the following shall be substituted, namely:—  
Substitution of new sections for sections 111 and 112.

"111. Any employer may enter into a labour-contract for any term not exceeding one year commencing from the date of the execution of the contract with any native of India within the labour-district in which the estate on which such native contracts to labour is situated. When any employer has executed any such contract with any such native within a labour-district, he shall, within one month from the date of the execution of such contract, forward it in duplicate to the Inspector within the local limits of whose jurisdiction such estate is situated. On receipt of the contract so forwarded, the Inspector shall enter an abstract thereof in a register to be kept by him for the purpose, and shall then give one copy of the contract to the labourer and the other copy to his employer.

Labour-contracts executed in labour-districts between employer and native direct.

Registration of such contracts

"111A. When, for the first time after the registration of any such contract with a labourer, the Inspector visits the estate on which such labourer is employed, the employer shall cause such labourer to appear before the Inspector for the purpose of having his contract verified, and such labourer may thereupon apply to the Inspector to cancel the contract; and, if he shows cause sufficient in the opinion of the Inspector to justify the cancellation, the Inspector may cancel the contract, and shall thereupon make an endorsement that it has been cancelled on the labourer's copy of the contract, or, if such copy be not forthcoming, shall give to the labourer a certificate to that effect.

Verification and cancellation of such contracts.

"111B. The Inspector or Magistrate may at any time, either on the application of the employer or the labourer or of his own motion, require the employer to cause any labourer who has entered into a contract under section 111 and is employed upon any estate within the local limits of the jurisdiction of the Inspector or Magistrate to appear before him for the purpose of having his contract verified; and, if such labourer applies to the Inspector or Magistrate to cancel his contract and shows cause sufficient in the opinion of the Inspector or Magistrate to justify such cancellation, the Inspector or Magistrate may cancel the contract as provided in the last preceding section.

Power of Inspector or Magistrate to require labourer who has executed such contract to appear before him.

"112. Notwithstanding the provisions of section 111, any employer may enter into a labour-contract with any native of India in a labour-district for any term not exceeding three years commencing from the date of the execution of the contract if he appears either in person or by agent with such native before the Inspector or Magistrate within the local limits of whose jurisdiction the estate upon which such native is about to contract to labour is situated.

Labour-contracts executed within labour-districts before Inspector or Magistrate.

"Such Inspector or Magistrate shall thereupon explain the labour-contract to such native and shall, if satisfied, that he is competent to enter into and understands the same, call upon him and the employer or his agent to execute it in his presence; and, if they execute it, shall attest such execution with his signature.

"An abstract of every such labour-contract shall be entered in a register to be kept by the Inspector or Magistrate for the purpose; and one copy of such contract shall then be given to the labourer and the other copy to his employer or his agent.

"In respect of every labour-contract an abstract whereof is registered under section one hundred and eleven or under this section, the employer who executes such contract in person or by agent shall pay to the Inspector or Magistrate such fee, not exceeding one rupee, as the Local Government may from time to time direct.

"112A. For the purposes of the last preceding section an estate situated in any one of the following districts of the Assam Valley Division, namely, Kamrup, Darrang, Nowgong, Sibsagar and Lakhimpur, shall be deemed to be also situate within the local limits of the jurisdiction of the Inspector and Magistrate resident at the civil station of Dhubri in the Goalpara District; and, subject to such rules as the Local Government may prescribe in this behalf, contracts to labour on any estate in any of the labour-districts above named may be executed and registered before the Inspector or Magistrate at Dhubri in accordance with the provision of the last preceding section.

Execution of labour-contract before Inspector or Magistrate of Dhubri.

Power of Local Government to frame rules in connection with the execution of labour-contracts at Dhubri.

"112B. The Local Government may make rules consistent with this Act with respect to all or any of the following matters, namely:—

- (a) the execution and registration of contracts under section 112A before the Inspector or Magistrate at Dhubri;
- (b) the medical examination at Dhubri by the Civil Surgeon or other competent medical man of labourers and persons intending to become labourers and their dependents;
- (c) the conditions under which depôts, rest-houses and other places may be established and maintained at Dhubri for the reception and lodging of labourers and persons intending to become labourers and their dependents; the sanitation and management of such depôts, rest-houses and other places; the arrangements for food, water and conservancy therein; the clothing and necessary utensils to be supplied to persons lodged therein; and the hospital accommodation for and medical treatment of such persons;
- (d) the control and inspection by officers of Government of such depôts, rest-houses and other places; and
- (e) the registers to be kept, and the reports and returns to be made, by the persons in charge of such depôts, rest-houses and other places."

12. (1) In section 114 of the said Act the words "who are not natives of the labour-district in which such estate is situated" are hereby repealed.

(2) To the same section the following shall be added, namely:—

"Any Inspector or Magistrate, or any person authorized as aforesaid, may require the employer to muster all persons or any particular class or classes of persons employed or residing upon such estate; and may further, subject to the general orders of the Local Government, require the employer to furnish any information which he thinks proper regarding all or any of such persons, or any particular class of such persons."

13. In section 115 of the said Act, for the words "whole number of days in the current month" the following shall be substituted, namely:—

"number of working days in the current month. The number of working days in any month shall be ascertained by deducting the number of Sundays from the whole number of days in the month."

14. For the last sentence of section 121 of the said Act the following shall be substituted, namely:—

"The Inspector shall from time to time, when visiting the estate, on the application of the employer, and may also at any other time on the application of either the employer or the labourer, endorse on the labourer's labour-contract, after such enquiry as may be necessary, the number of days so to be added to the term thereof:

"Provided that an employer who omits to apply for the endorsement of such days on any labourer's labour-contract, when the Inspector is actually visiting the estate, shall, in the absence of sufficient reasons to the contrary shown to the satisfaction of the Inspector, be debarred from applying afterwards for such endorsement in so far as days of absence which occurred prior to the date of the Inspector's last visit are concerned."

15. Between the first and second paragraphs of section 128 of the said Act the following shall be inserted, namely:—

"The Magistrate of the District may also of his own motion summon such a Committee, if, either from his own observation or from information derived from an Inspector's report or otherwise, he is of opinion that any estate or portion of an estate is, for any of the reasons aforesaid, unfit for the residence of labourers or of any particular class of labourers."

16. After the same section of the said Act the following shall be inserted, namely:—

"128A. If it appears to the Local Government from information derived from an Inspector's report or otherwise:—

- (a) that any estate or portion of an estate is for any of the reasons given in the last preceding section unfit for the residence of labourers or of any particular class of labourers, or
- (b) that the percentage of mortality of labourers or of any particular class of labourers employed on any estate or on any portion of an estate is such as would justify the institution of an inquiry by a medical officer under section 150 of this Act,

the Local Government may direct the Magistrate of the District to summon a Committee under the last preceding section; and the Magistrate of the District shall forthwith proceed to summon a Committee accordingly."

17. To the last paragraph of section 129 of the said Act the following shall be added, namely:—

"Where the finding relates to the whole of any estate and the employer has no other estate in the same labour-district on which the labourer may be employed, the Inspector shall cancel the labour-contract of such labourer, and shall thereupon make an endorsement

that it has been cancelled on the labourer's copy of the contract, or, if such copy be not forthcoming, shall give to the labourer a certificate to that effect."

18. After section 129 of the said Act the following shall be inserted, namely:—

**129A.** The Local Government may call for the proceedings of any Committee summoned under section 128, or section 128A, of this Act and record any finding thereon which such Committee was competent to record, and such findings shall have the same effect as the finding of a Committee under section 129."

19. Section 130 of the said Act shall be amended by the insertion of the following words, namely:—

(a) after the words "Local Government" each time they occur the words "or the Magistrate of the District";

(b) after the words "the number of labourers", "the average annual number of labourers" and "for the residence of labourers" respectively the words "or of any particular class of labourer" and

(c) after the words "the whole number of labourers" the words "or of such particular class of labourers".

20. (1) In section 132 of the said Act, for the words "and that such estate or portion is thereby rendered" the words "or that such estate or portion is" shall be substituted.

(2) In the same section, after the word "labourers" the first time it occurs the words "or of any particular class of labourers", and the second time it occurs the words "or of such particular class of labourers", shall be respectively inserted.

21. In section 133 of the said Act, after the words "found under section one hundred and twenty-nine" the words and letter "or under section one hundred and twenty-nine A," and after the words "to labour on such estate, portion or part," the words "other than labourers whose contracts have been cancelled by the Inspector under section 129," shall be respectively inserted.

22. Between sections 139 and 140 of the said Act the following heading shall be inserted, namely—

*"H 1.—Cancellation of Labour-contracts in certain cases."*

23. After section 140 of the said Act the following shall be inserted, namely:—

**140A.** If the Local Government, after such enquiry as it thinks sufficient, is of opinion that any labourer was recruited or conveyed to a labour-district, or compelled or induced to enter into a labour-contract, by any coercion, undue influence, fraud, misrepresentation or mistake, or that any such irregularity has occurred in connection with his recruitment or the execution of his contract as makes it just to rescind his contract, the Local Government may, by an order in writing, direct the labour-contract of such labourer to be cancelled.

"On receipt of any such order by the Local Government, the Inspector or Magistrate shall cancel the contract referred to, and shall thereupon make an endorsement that it has been so cancelled on the labourer's copy of the contract or, if the same be not forthcoming, shall give to the labourer a certificate to that effect.

**140B.** When the labour-contract of any labourer is or has been cancelled or determined under section 111A, 111B, 122, 140 or 140A, the Inspector, Magistrate or Local Government, as the case may be, may at his or its discretion, and on the application of the labourers concerned, cancel the labour-contract of any labourers employed on any estate belonging to the same employer and being the wife, husband, father, mother, son or daughter of the labourer whose labour contract is or has been so cancelled or determined.

**140C.** If any employer and labourer desire to dissolve a labour-contract by mutual consent, such employer may appear in person or by agent with such labourer before the Inspector or Magistrate having jurisdiction in the local area in which the estate where the labourer is employed is situated, and, if the Inspector or Magistrate is satisfied, after such enquiry as he thinks sufficient, that both parties are desirous of dissolving the contract and that there are no good reasons why it should not be dissolved, he shall declare the labour-contract to be cancelled by mutual consent.

"Every such cancellation shall be certified by the Inspector or Magistrate on the back of both the employer's and the labourer's copies of the contract, or, if the same be not forthcoming, by an order in writing under the hand of the Inspector or Magistrate, copies of which shall be delivered to the employer and the labourer.

"Except under the provisions of this section, it shall not be lawful for any employer or labourer to dissolve or cancel any labour-contract by mutual consent.

24. In the last paragraph of section 142 of the said Act, for the words "third, fourth and fifth

years" the words "third year" shall be substituted.

25. After section 142 of the said Act the following shall be inserted, namely:—

**142A.** In any case in which the contract of a labourer determines at a different time from that of any other labourer who is the wife or husband of such labourer, the Inspector or Magistrate may, on the joint application of such labourers, equalize the terms of their respective contracts, by adding to the term of the contract which will expire first or deducting from the term of the contract which will expire last, or otherwise as he may think fit.

"Every such addition or deduction from the term of any contract shall be certified by such Inspector or Magistrate on the back of both the employer's and the labourer's copies of the contract, or, if the same be not forthcoming, by writing under the Inspector or Magistrate's hand, copies of which shall be delivered to the employer and the labourer.

#### *F.—Repatriation of Labourers and others.*

**142B.** If any labourer, not being a native of the labour-districts, whose contract is determined under section 122, desires to be sent back to his native district, the Inspector may, instead of awarding a sum as receivable by such labourer from his employer, as provided by that section, order the employer to deposit such amount, whether in excess of the three months' wages awardable under that section or otherwise, as shall, in the Inspector's opinion, be sufficient to cover the entire expenses of sending the labourer to such district. Such amount shall be deposited by the employer in the Inspector's office and shall be expended by the Inspector in sending the labourer back to his native district.

"On failure of the employer to deposit such amount within twenty-four hours in accordance with any such order, the Inspector may pay the same, and any amount so paid shall be recoverable from the employer as if it were an arrear of wages.

**142C.** If any person, being a native of India but not being a native of the labour-districts, or not being a labourer, has no means of subsistence and is, in the opinion of the Inspector or Magistrate, permanently incapacitated from earning his livelihood in a labour-district, the Inspector or Magistrate may, on the application of such person, send him back to his native district, and may, subject to the control of the Local Government, charge the expenses incurred in so doing to the Inland Labour Transport Fund.

**142D.** Subject to any orders which the Local Government may issue in this behalf, the Inspector or Magistrate may send back to his native district any labourer, together with his dependents (if any), whose contract has been cancelled under section 111A, 111B or 140A on the ground of coercion, undue influence, fraud, misrepresentation or mistake, or of any irregularity in connection with his recruitment or the execution of his contract, and may recover, as if it were an arrear of wages, from the employer on whose estate such labourer was under contract to labour, the whole or any part of the expenses incurred in so sending him back.

**142E.** If it appears to the Inspector or Magistrate, on complaint made before him or otherwise, that there is reason to suppose that any native of India, not being a labourer, has been induced by any coercion, undue influence, fraud, misrepresentation or mistake to emigrate to a labour-district, the Inspector or Magistrate shall call upon the employer on whose behalf such person was made or induced to emigrate, or to whose estate he is being or has been conveyed, or, if the employer cannot be communicated with without undue delay, upon his agent or any one accompanying such person or conveying him to any labour-district or estate, to appear before the Inspector or Magistrate and show cause why such person should not be sent back to his native district.

"If the Inspector or Magistrate is of opinion after such enquiry as he thinks sufficient that such person was engaged or compelled or induced to emigrate by any such coercion, undue influence, fraud, misrepresentation or mistake as would justify his being sent back to his native district, the Inspector or Magistrate shall record a finding to this effect and shall send such person, if he so desires, together with any other persons dependent on him (if any), back to his native district.

"Subject to any orders which the Local Government may issue in this behalf, the whole or any part of the amount expended in sending a person back to his native district under this section may be recovered as if it were an arrear of wages from the employer on whose behalf such person was induced to emigrate or to whose estate he was being or had been conveyed; or if the employer is not known, or if there is no such employer, by distress and sale of any moveable property belonging to the person accompanying such person or conveying him to any labour-district or estate.

**142F.** In any case in which a labourer or other person is sent back to his native district under the provisions of section 142D or section 142E, the Inspector or

Arrangements may be made for escorting persons ordered to be repatriated.



Magistrate may provide an escort or make such other arrangements as may appear to him to be necessary for ensuring that such labourer or person is actually conveyed to such district. Any expenditure incurred in providing such escort or making such arrangements may be recovered as part of the amount expended in sending such labourer or other person back to his native district."

26. To section 143 of the said Act the words "In addition to any other power to make rules conferred by this Act" shall be prefixed; and in section 145 of the said Act for the word "hereunder" the words "under this Act" shall be substituted.

27. For section 152 of the said Act the following shall be substituted, namely:—

Garden-sardar making over labourers to contractors, etc. "152. Any garden-sardar who

makes over to any contractor, sub-contractor or recruiter, or to the garden-sardar or local agent of any employer other than the employer by whom his certificate was granted or, without authority from his employer, to any other person, any persons whom he has engaged or intends to engage as labourers, or

places any such person in a contractor's depot or in the place of accommodation provided by a recruiter in accordance with the provisions of section twenty seven, or

allows any persons engaged as labourers by any contractor or sub-contractor or recruiter to share the accommodation provided by him under section fifty-seven,

shall be punished with imprisonment for a term which may extend to three months or with fine which may extend to one hundred rupees or with both; and his certificate may be impounded by the convicting Magistrate.

"Any Magistrate impounding a certificate under this section shall send it for cancellation to the Magistrate by whom it was countersigned."

28. In section 164 of the said Act, after the word "inquiry" the words "or omits to comply with any requisition" shall be inserted.

29. In the second paragraph of section 170 of the said Act, after the words "any Inspector who receives any such statement shall" the words "if the employer so desires" be inserted, and to the same section the following shall be added, namely:—

"The Inspector may also at any time other than that of his visit to the estate on the application of either the employer or the labourer, after due enquiry, endorse such days of absence on, and add them to the term of, the labour-contract: Provided that an employer who omits to apply for the endorsement of such

days on any labourer's labour-contract when the Inspector is actually visiting the estate shall be debarred, in the absence of sufficient reasons to the contrary shown to the satisfaction of the Inspector, from applying afterwards for such endorsement so far as days of absence reported in statements sent to the Inspector previous to the date of his last visit are concerned."

30. After section 171 of the said Act the following section shall be inserted, namely:—

"171A. Every employer may on or before the fifteenth day of each month send to the Inspector a statement in writing in such form as the Local Government may prescribe containing the names of all or any of his labourers who have deserted from his service during the preceding month, or who, having deserted at any previous time, have been absent during the preceding month, or who, having deserted during the month or previously, have been arrested or have returned to his service during the preceding month."

31. For section 173 of the said Act the following shall be substituted, namely:—

"173. The police-officer in charge of such station shall on the appearance of the parties take down in writing the statements of the labourer arrested and of the person arresting the labourer.

"If the labourer admits the contract and does not claim to be forwarded to a Magistrate, the police-officer may permit the person arresting the labourer to convey him to the estate on which he is under contract to labour, and shall then transmit the statements recorded and a report of his proceedings to the Magistrate within the local limits of whose jurisdiction the police-station is situated.

"If the labourer does not admit the contract or claims to be forwarded to the Magistrate, or if, for any reason, it appears to the police-officer desirable that he should be so forwarded, the police-officer shall forthwith send such labourer, together with the statements recorded as aforesaid and a report of his proceedings, to the Magistrate within the local limits of whose jurisdiction the police-station is situated.

"If the estate on which the labourer is under contract to labour is not situate within the local limits of the jurisdiction of the Magistrate referred to in the last two preceding paragraphs, such Magistrate shall forward the statements and report received by him from the police to the Magistrate within the local limits of whose jurisdiction such estate is situate. He shall also, when the labourer has been sent to him by the police, either forward the labourer to, or take security for his appearance before, such Magistrate.

36. Act XXII of 1891 (*an Act to extend the Inland Emigration Act, 1862*) is hereby repealed.

## STATEMENT OF OBJECTS AND REASONS.

IN this Bill it is proposed to incorporate Act XXII of 1891 (*an Act to extend the Inland Emigration Act, 1882,*) with the Inland Emigration Act, and to amend the latter Act in accordance with the decisions arrived at by the Government of India and the Secretary of State in the correspondence marginally noted, which has been communicated to the public. The chief objects with which these amendments are proposed are, first, to prevent and remedy abuses in the system of recruiting labourers and other emigrants for employment on estates in the labour-districts; secondly, to strengthen the control of the local Administration over unhealthy estates and to enable the local authorities more readily to enforce sanitary improvements on them; and, thirdly, to restrict, as far as may be practicable, consistently with the interests of the tea industry and the present conditions of labour emigration, the operation of the penal contract system sanctioned by the Act.

Letter from the Chief Commissioner of Assam, No. 1373 J., dated the 16th April, 1890.  
 Letter from the Government of Bengal, No. 142, dated the 28th August, 1890.  
 Despatch to the Secretary of State, No. 77 (Emigration), dated the 5th October, 1891.  
 Letter to the Chief Commissioner of Assam, No. 2058—19, dated the 5th October, 1891.  
 Letter to the Government of Bengal, No. 2059—19, dated the 5th October, 1891.  
 Despatch from the Secretary of State, No. 13 (Emigration), dated the 11th February, 1892.  
 Letter to the Government of Bengal, No. 1070—7, dated the 20th May, 1892.  
 Letter to the Chief Commissioner, of Assam, No. 1071—7, dated the 20th May, 1892.  
 Letter from the Chief Commissioner of Assam, No. 3020 J., dated the 12th August, 1892.  
 Letter from the Government of Bengal, No. 270 T. G., dated the 4th October, 1892.

2. The amendments proposed in section 2 of the Bill are necessitated by the incorporation of Act XXII of 1891 with the Inland Emigration Act, 1882.

The title of the Act has also been altered to "the Assam Labour and Emigration Act," as the Act regulates, not only the conditions of emigration, but also those under which the labour-system is carried out.

3. The object of sub-section (1) of section 3 of the Bill is to exclude from the list of labour-districts the districts of Chittagong and the Chittagong Hill Tracts, which have been withdrawn by the Local Government from the provisions of the Act relating to labour-districts, and the Khasi Hills District, where those provisions are no longer required.

The amendments proposed in sub-section (2) of this section are necessitated by the above changes and by the incorporation of Act XXII of 1891 with the Inland Emigration Act, 1882.

4. Sections 4 and 5 of the Bill give effect to the proposals made by the late Chief Commissioner of Assam, Mr. Quinton, and approved by the Secretary of State that power should be reserved to the Local Government to exclude sub-divisions of districts and particular gardens from all or any of the provisions of the Act relating to the labour-districts.

5. By section 7 of the Bill it is proposed to reduce the maximum term of the labour-contract which may be entered into under this Act from five to three years, the recent inquiry into the working of the labour-system having led the Government to the conclusion that contracts for longer periods than three years are not really necessary under present conditions.

6. The object of section 8 of the Bill is to provide that no labourer shall be bound to engage in work involving regular labour underground, such as work in a coal-mine, unless he has specifically contracted to do so.

7. The object of section 9 of the Bill is to supply an omission in the present system and to place at the disposal of an employer a recognized method of ascertaining, before he enters into a labour-contract with a labourer, that the labourer is in a fit state of health and able to reside and labour for hire in a labour-district.

8. In section 11 of the Bill it is proposed to recast sections 111 and 112 of the Inland Emigration Act, and to make the following changes in them :—

- (1) to limit the term of a contract entered into under section 111 of the Act to one year;
- (2) to limit the term of a contract entered into under section 112 of the Act to three years;
- (3) to limit the execution of a contract under section 111 to the actual labour-district in which the contract is to be performed;
- (4) to empower the Inspector or Magistrate to require the production before him of any labourer who has executed a contract under section 111 for verification of his contract;

- (5) To place on a legal footing the existing arrangements under which labour-contracts are entered into at Dhubri in the presence of the Magistrate or Civil Surgeon by bringing such contracts within the scope of section 112 of the Act, and by empowering the Chief Commissioner to make rules having the force of law for regulating the procedure for the execution of such contracts.

The amendments specified in heads (3), (4) and (5) have been accepted by the Chief Commissioner of Assam, and are, it is reported, generally agreed to by the planting community. The amendments specified in head (2) follow from the change made by section 7 of the Bill. The amendment proposed in head (1) gives effect to the declared policy of the Government to restrict, from time to time, as may be found practicable, the operation of the penal contract system.

9. The object of sections 15 to 20 of the Bill is to strengthen the hands of the Local Administration in dealing with, and enforcing sanitary measures on, unhealthy estates employing contract labourers.

10. The object of section 23 of the Bill is to provide a remedy for cases in which labourers have been fraudulently or illegally recruited or placed on contract by specifically empowering the local Administration to cancel their labour-contracts.

11. The object of section 25 of the Bill (proposed sections 142A to 142F of the Act) is partly to legalize existing practice and partly to provide safeguards against malpractices in recruitment by empowering the local authorities to repatriate to their native districts labourers or other immigrant persons who are either physically incapacitated from earning their livelihood in a labour-district or have been fraudulently or illegally recruited or conveyed to a labour-district, and, in the latter case, to recover the cost of such repatriation from the person at fault or from the employer on whose behalf or to whose estate such persons were induced to emigrate. By section 34 of the Bill local officers have also been empowered, subject to the orders of the Chief Commissioner, to pay the cost of repatriation from the Inland Labour Transport Fund.

12. By section 31 of the Bill it is proposed to slightly modify the procedure to be followed on the arrest by the employer or his agent of a labourer who has deserted from service by dispensing with the necessity of producing the labourer before the Magistrate in cases in which he admits the contract and does not desire to be forwarded to a Magistrate.

13. By section 32 of the Bill it is proposed to render periods for which a labourer is sentenced to imprisonment under the ordinary law, and (subject to certain restrictions) periods for which a labourer was absent from service owing to desertion, endorseable on the labour-contract as an addition to the original term thereof.

14. The opportunity has been taken to make certain other modifications and improvements of detail in the provisions of the Act.

*The 12th January, 1893.*

PHIL. P. HUTCHINS.

J. M. MACPHERSON,

*Offg. Secretary to the Government of India.*



[REGISTERED No. 29.]

No. 4 of 1893.



SUPPLEMENT TO  
**The Calcutta Gazette.**

WEDNESDAY, JANUARY 25, 1893.

OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 21st January, 1893.

No.	District and date of return.	Rainfall at Sadar Station in inches.	Character of the weather and state and prospects of the crops.
<b>BENGAL.</b>			
Burdwan Divn.	1 Burdwan Jan. 21, '93 Kalna .. Raniganj ...	0.08 Nil 0.02	Weather—cloudy. Prospects of <i>rabi</i> crops and sugarcane fair. Condition of cattle tolerably good. Prices of common rice:— Srs. Burdwan ... .. 11 to 13 Kalna ... .. 11 to 13 Raniganj ... .. 13 } per rupee.
	2 Bankura „ 21, '93 Vishnupur ...	0.64 0.13	Weather—cool and cloudy. Prospects of <i>rabi</i> crops good. Fodder and water plentiful. Prices of common rice:— Srs. Sadar ... .. 12½ Vishnupur ... .. 11½ } per rupee.
	3 Birbhan. „ 21, '93 Rampur Hât ...	0.13 0.04	Weather—occasionally cloudy. <i>Rabi</i> crops doing well. Price of rice 13 to 14 seers per rupee. Fodder and water plentiful.
	4 Midnapore „ 21, '93	Nil	Weather—cloudy and cold, threatening rain. The rice harvest is ended. Prices of common rice:— Srs. Sadar ... .. 11½ Contai ... .. 12 to 15 Tamluk ... .. 12 to 15 Garhbeta ... .. 12½ to 13 } per rupee.
	5 Hooghly „ 21, '93 Serampore ... Jahanabad ...	0.04 0.06 0.04	Weather—fairly cold, cloudy, occasionally threatening rain. No material change in condition of crops. <i>Amas</i> harvest almost over. Potatoes, sugarcane and pulses doing well. Want of fodder and water felt in Pandua and Dworbasingi. Cattle-disease rather frequent in Sadar subdivision. Prices of common rice:— Srs. Sadar ... .. 9 to 10 Serampore ... .. 10 Jahanabad ... .. 10½ to 13 } per rupee.
	6 Howrah „ 21, '93 Ulubaria ...	Nil Nil	Weather—cloudy. Harvesting of <i>amas</i> paddy nearly completed. Spring crops doing well. Condition of cattle good. Fodder and water-supply sufficient, except that tanks in Howrah Municipality are drying up too quickly. Price of rice 11 to 12 seers per rupee.
	7 24 Parganas „ 21, '93	Nil	Weather—cloudy during the latter part of the week. Prospects of <i>rabi</i> crops fair. Common rice sells at from 10½ to 13 seers per rupee. Condition of cattle good. Fodder and water sufficient.
Presidency Divn.	8 Nadia „ 21, '93 Kushtia ... Meherpur ... Chuadanga ... Ranaghat ...	0.02 0.04 Nil Nil Nil	Weather—seasonable and cloudy. Prospects of <i>rabi</i> crops good. Common rice selling at 13 seers per rupee. Health of cattle good except in thanas Chupra and Krishnaganj, where cow-pox prevails. Fodder and water-supply sufficient.
	9 Khulna „ 21, '93 Bagerhat ... Satkhira ...	Nil Nil Nil	Weather—seasonable. Harvesting of <i>amas</i> continues; outturn good except in Paikgacha. Prospect of <i>rabi</i> crops fair. Sowing of <i>boro</i> paddy has been commenced. Common rice selling at from 12 to 14 seers per rupee. Fodder and water sufficient.
	10 Jessore „ 21, '93 Jhenida ... Magura ... Narail ... Bangson ...	0.26 0.06 0.02 0.21 Nil	Weather—cool and cloudy. Harvesting of <i>amas</i> nearly completed. Mustard being reaped. Prospects of <i>rabi</i> crops fair. Condition of cattle good. Fodder and water sufficient.
	11 Murshidabad „ 21, '93	0.24	Weather—seasonable; cloudy at times. Prospect of <i>rabi</i> crops appears to be favourable except that of wheat in some parts of Jangipur subdivision. <i>Amas</i> has been harvested. Fodder and water sufficient for cattle. Coarse rice selling at 14 seers per rupee.

No.	District and date of return.	Rainfall at Sadar Station in inches.	Character of the weather and State and prospects of the crops.
<b>BENGAL—concl'd.</b>			
CHITTAGONG DIVN.	13 Chittagong Jan. 21, '93	0.03	Weather—seasonable. Prospect of crops good. <i>Rabi</i> cultivation in progress. Prices stationary. Condition of cattle generally good. Supply of fodder sufficient.
	13 Noakhali „ 21, '93	0.47	Weather—cloudy especially in the evenings, and foggy in the mornings. Recent rain has done great good to <i>rabi</i> crops. Harvesting of <i>aman</i> over; outturn seems to be about three annas below the average. Cattle-disease reported from Hatia, Sandip and Companiganj. Price of common rice 13 seers per rupee.
	14 Tippera „ 21, '93	0.23	Weather—a little cloudy. Harvesting of <i>aman</i> paddy is now complete. Among winter crops mustard is almost ripe for being harvested, and chillies growing luxuriantly. Prices of edibles are stationary with a tendency to rise for constant exportation.
	15 Chittagong Hill Tracts. „ 20, '93	..	Weather—cloudy and rainy during the last part of the week. Mustard ripening. Prospect of vegetables good. No cattle-disease reported. Prices of common rice: <div style="text-align: right; margin-right: 20px;"> Srs.  Rangamati ... .. 12  Bandarban ... .. 11  Manicksury ... .. 18 </div> } per rupee.
Dacca Divn.	16 Dacca „ 21, '93	0.23	Weather—cold and cloudy at intervals. <i>Rabi</i> crops thriving. Prospects good. Harvesting of mustard commenced. <i>Boro</i> paddy being sown. Fodder available. No cattle-disease. Common rice selling at from 10½ to 14 seers per rupee.
	17 Faridpur „ 21, '93	Nil	Weather—cool and cloudy, but occasionally bright. Prospects of <i>rabi</i> crops fair. <i>Mug</i> and <i>kalai</i> are still being harvested. <i>Boro</i> paddy is being sown. Common rice sells at 12 seers per rupee at Sadar, 13 seers at Goalundo, and 13½ seers at Madaripur. No cattle-disease reported. Fodder and water sufficient.
	18 Backergunge „ 21, '93	Nil	Weather—seasonable. State and prospects of crops good. Ordinary rice sells at about 12 seers per rupee. Fodder and water sufficient.
	19 Mymensingh „ 21, '93	0.06	Weather—very cold. Harvesting of <i>aman</i> completed. Prospect of mustard and <i>rabi</i> crops good. <i>Boro</i> paddy being planted. Water and fodder sufficient. Common rice sells at from 11 to 14 seers per rupee.
RAJSHAH DIVN.	20 Dinajpur „ 21, '93	Nil	Weather—cool and cloudy. Standing crops continue good. Pressing of sugarcane going on. Harvesting of winter rice almost over. Land being prepared for <i>dhada</i> and jute. Price of rice both at Sadar and Thakurgaon stationary. Condition of cattle good. Supply of fodder and drinking water plentiful.
	21 Rajshahi „ 21, '93	0.06	Weather—seasonable. Harvesting of mustard and other cold-weather crops commenced; they are expected to yield a fair outturn. No cattle-disease reported. Water and fodder sufficient. Price of common rice almost stationary.
	22 Rangpur „ 21, '93	Nil	Weather—seasonable. Harvesting of <i>aman</i> nearly finished. Mustard is being gathered in some places. <i>Rabi</i> crops doing well. Price of common rice varying from 10 to 14 seers per rupee.
	23 Bogra „ 21, '93	Nil	Weather—seasonably cool. Prospects of <i>rabi</i> continue favourable. Price of rice stationary. Lands being ploughed for <i>aus</i> , jute and sugarcane. Fodder and water sufficient.
	24 Pabna „ 21, '93	0.29	Weather—seasonable. <i>Aman</i> paddy is still being reaped in some places; in most places it has been harvested. Prospects of <i>rabi</i> crops good. Common rice selling at Pabna 13½ seers per rupee and at Sirajganj Rs. 3 to Rs. 4 per maund. Condition of cattle good. Water-supply and fodder sufficient.
	25 Darjeeling „ 21, '93	0.03	Weather—very cold; mornings clear; afternoons overclouded. <i>In the hills</i> :—Wheat, barley, <i>tori</i> and potatoes progressing favourably. In some places harvesting of potatoes, <i>tori</i> and <i>phafur</i> going on. <i>In the Terai</i> :—Mustard has begun to be harvested, while harvesting of paddy and potatoes going on. Prospects good. Prices of coarse rice:— <div style="text-align: right; margin-right: 20px;"> Srs.  Hills ... .. 11  Terai ... .. 13 </div> } per rupee.
	26 Jalpaiguri „ 21, '93	Nil	Weather—cold and cloudy at times. Harvesting of <i>haimanti</i> paddy approaching completion. Prospects of potato and tobacco continue good. Prices of common rice unchanged. Condition of cattle good. Fodder and water sufficient.



No.	District and date of return.	Rainfall at Sadar Station in inches.	Character of the weather and state and prospects of the crops.
<b>BIHAR.</b>			
<b>BRAGALPUR DIV.</b>	27 Mouzhyr Begusarai Jamui	Jan. 21, '93 ... ... Nil Nil 0.10	Weather—cold and cloudy. Rice crop has been harvested. Prospects of <i>rabi</i> crops favourable. Opium and indigo doing well. Fodder and water sufficient. No cattle-disease. Prices of common rice:— Srs. Sadar ... 13 to 16 Begusarai ... 15½ Jamui ... 14½ } per rupee.
	28 Bhagalpur Banka Madhipura Supaul	.. 21, '93 ... ... 0.03 0.08 Nil Nil	Weather—chilly and cloudy. Rice harvest still in progress. Indigo is favourably reported from the subdivisions. Price of common rice stationary.
	29 Patna	...	Report not received.
	30 Malda	.. 21, '93 0.01	Weather—cloudy throughout the week; slight rainfall on the 18th. Harvesting of winter rice almost finished. Transplantation of <i>boro</i> paddy continues. Gathering of <i>kaloi</i> in full progress. Price of coarse rice 13 to 17 seers per rupee. No want of fodder or drinking water.
	31 Sonbhal Paraganas Deoghur Godda Jamtara Pakur Rajmahal	.. 21, '93 ... ... 0.31 Nil 0.09 Nil Nil 0.01	Weather—cold and cloudy. Threshing of paddy still going on. Prospects of standing <i>rabi</i> crops good. Fodder and water-supply plentiful.
	32 Patna Bihar Bach Dinapore	.. 21, '93 ... ... Nil Nil 0.14 0.07	Weather—cold and occasionally cloudy. <i>Rabi</i> and poppy crops doing well. The slight rain is expected to do some good. Prospects fair. Prices of common rice:— Srs. Sadar ... 17 Bach ... 13 Bihar ... 17 Dinapore ... 14 to 15 } per rupee.
	33 Gaya Nawada Aurangabad Jahanabad	.. 21, '93 ... ... 0.18 0.05 0.31 0.14	Weather—cold and cloudy throughout the greater part of the week. Harvesting of paddy nearly completed. Threshing continues. Prospects of <i>rabi</i> crops fair. The little rainfall during the week has done good to the standing crops. Common rice sells at 14 seers per rupee at Sadar. Supply of fodder and water for cattle sufficient. Prices stationary.
	34 Shahabad Bansrain Bhabhua	.. 21, '93 ... ... 0.7 0.13 0.04	Weather—unusually cold even for this season. <i>Rabi</i> thriving. Sugarcane being pressed with excellent outturn. Poppy promises well. Rain has fallen in the south and west of the district and has been of great benefit, but more is wanted.
	35 Darbhanga Sunastipur Madhubani	.. 21, '93 ... ... 0.10 0.15 Nil	Weather—occasionally cloudy. <i>Rabi</i> crops doing well and prospects very favourable. Poppy greatly benefited by the late rain. Fields being prepared for indigo sowing. Price of common rice stationary. Condition of cattle good.
	36 Muzaffarpur Hajipur Sitamarhi	.. 21, '93 ... ... Nil 0.09 0.04	Weather—seasonable; occasionally cloudy. Threshing of paddy still continues in places. <i>Rabi</i> flowering and doing well. Fodder and water for cattle sufficient.
<b>PATNA DIVISION.</b>	37 Saran Siwan Gopalganj	.. 21, '93 ... ... 0.05 0.28 0.11	Weather—seasonable. Cloudy again to-day (21st). Rain has done good to <i>rabi</i> crops. Sugarcane pressing going on. Poppy doing well. Fodder and water abundant. Prices of common rice are:— Srs. c. Chapra ... 14 8 Siwan ... 13 2 Gopalganj ... 14 8 } per rupee.
	38 Champaran	.. 21, '93 Nil	Weather—cool with west wind. Paddy threshing nearly over. <i>Rabi</i> and poppy doing well. Lands are being prepared for indigo sowing. Prices steady. Cattle are in good condition. Fodder and water sufficient.
<b>ORISSA.</b>			
<b>ORISSA DIV.</b>	39 Cuttack	...	Report not received.
	40 Puri Khurda Bampur	.. 19, '93 ... ... Nil Nil Nil	Weather—seasonable. Harvesting of <i>sarad</i> rice going on. <i>Dalua</i> rice plants growing. Miscellaneous crops doing well. Price of rice stationary.
	41 Balasore	.. 21, '93 Nil	Weather—cloudy with a few drops of rain. Harvesting of winter rice completed. Prices stationary.

No.	District and date of return.	Rainfall at Sadar Station in inches.	Character of the weather and state and prospects of the crops.
<b>CHOTA NAGPUR.</b>			
<i>South-West Frontier Agency.</i>			
CHOTA NAGPUR DIVN.	42 Hazaribagh Jan. 21, '93	0.06	Weather—cloudy; slight rain on 17th. Prospects of crops good. Common rice sells at 12 to 16 seers per rupee. Poppy flowering.
	43 Lohardaga „ 21, '93	0.07	Weather—cloudy. Reaping of <i>surguja</i> continues. Prospect of <i>rabi</i> continues good. Common rice selling at 14 seers per rupee. Fodder and water sufficient.
	44 Palamau „ 20, '93	0.10	Clouds constantly gathering; unsettled weather. There has been a slight fall of rain except in thana Hossennabad. <i>Rabi</i> crops promise well. A little cattle-disease reported.
	45 Singhbhum „ 21, '93	0.30	Weather—cloudy; slight rain on the 19th. <i>Rakar</i> , mustard and linseed are being harvested; probable outturn 12 to 16 annas. Common rice selling at from 12 to 16 seers per rupee.
	46 Manbhum „ 21, '93 Gobindpur ...	0.20 0.17	Weather—cloudy. <i>Rabi</i> crops doing well. Rice selling at from 10 to 14 seers per rupee. Fodder and water-supply sufficient.

Published for general information.

CALCUTTA; REVENUE DEPT.,  
The 24th January, 1893.

C. E. BUCKLAND,  
Secy. to the Govt. of Bengal.

**PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the**

Number.		DISTRICTS.	QUANTITIES PER RUPEE IN																							
			WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU. ( <i>Sorghum Vulgare</i> .)											
			Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.									
BENGAL.																										
BURDWAN DIVISION.	1	Burdwan	12 0	12 0	12 0	...	...	...	11 0	11 4	12 6	12 12	12 12	14 4	...	...	...									
	2	Bankura	12 0	12 0	12 8	...	...	16 0	10 0	10 0	12 8	12 8	11 12	18 0	...	...	...									
	3	Birbhum	10 4	10 4	12 8	9 0	9 0	...	11 0	11 0	13 0	14 4	14 4	15 0	...	...	...									
	4	Midnapore	10 4	10 4	12 0	...	...	...	10 0	10 0	13 0	13 2	13 2	16 8	...	...	...									
	5	Hooghly	11 0	11 0	18 0	11 0	11 0	...	9 0	9 0	8 0	10 0	9 8	13 0	...	...	...									
	6	Howrah	...	...	...	...	...	...	9 6	9 6	10 4	12 4	12 4	13 4	...	...	...									
PRESIDENCY DIVISION.	7	Calcutta	11 0	11 0	10 16	15 0	15 0	20 0	8 0	8 0	8 11	10 0	10 0	12 12	17 0	17 0	16 0									
	8	24-Parganas	11 0	11 0	10 8	16 0	16 0	18 0	8 0	8 0	8 0	12 0	11 12	13 8	18 0	16 0	...									
	9	Nadia	14 8	13 14	12 12	...	...	22 14	10 0	9 4	10 10	12 0	11 4	12 12	...	...	...									
	10	Khulna	...	...	...	...	...	...	12 0	12 8	13 0	15 0	15 0	16 0	...	...	...									
	11	Jessore	10 0	10 0	10 0	...	...	...	8 8	8 0	13 0	14 0	13 0	15 0	...	...	...									
	12	Murshidabad	12 8	13 0	12 0	...	...	...	10 0	10 0	10 0	13 0	13 0	13 0	...	...	...									
CHITTAGONG DIVISION.	13	Chittagong	9 4	9 4	9 12	...	...	...	10 8	10 8	9 0	12 0	12 4	13 0	...	...	...									
	14	Noakhali	...	...	...	...	...	...	11 0	11 0	13 0	12 6	13 0	14 0	...	...	...									
	15	Tippera	11 0	9 0	10 0	...	...	...	10 0	9 8	10 10	12 6	12 0	16 0	...	...	...									
	16	Chittagong Hill Tracts.	...	...	...	...	...	...	...	...	...	12 0	10 0	10 10	...	...	...									
DACCA DIVISION.	17	Dacca	...	...	10 8	...	...	26 0	8 0	8 0	12 0	12 0	12 0	16 0	...	...	...									
	18	Faridpur	11 0	11 0	11 8	20 0	20 0	17 0	8 0	8 0	10 0	12 0	12 0	16 0	...	...	...									
	19	Backergunge	...	...	...	...	...	...	Old 8 0 New 12 0	Old 8 0 New 12 8	12 0	13 0	14 0	14 0	...	...	...									
	20	Mymensingh	9 8	9 8	9 0	...	...	...	10 0	10 0	11 0	11 0	12 0	15 0	...	...	...									
RAJSHAH DIVISION.	21	Dinajpur	13 0	11 13	10 13	15 12	15 12	17 0	8 0	8 0	10 13	14 8	15 0	12 0	...	...	...									
	22	Rajshahi	12 12	12 12	12 0	19 8	19 8	26 4	11 4	11 4	11 4	12 12	12 12	12 0	...	...	...									
	23	Rangpur	11 8	11 8	8 0	...	...	...	9 6	9 6	9 0	10 10	10 10	11 8	...	...	...									

A In the subdivisional marts the retail prices of salt per rupee are:—Kulna 10 seers, Kulwa 10½ seers, and Raniganj 11 seers.

B At Vishnupur the retail price of salt is 11 seers per rupee.

C At Rampur Hat the retail price of salt is 11 seers per rupee.

D In the subdivisional marts the retail prices of salt per rupee are:—Contai 10 seers, Tamluk 11½ seers, and Ghatal 10 seers 11 chitaks.

E In the subdivisional marts the retail prices of salt per rupee are:—Bhaddreswar 10½ seers and Jahanabad 10 seers 10 chitaks.

F At Chubna the retail price of salt is 10½ seers per rupee.

G In the subdivisional marts the retail prices of salt per rupee are:—Chotla Hat 12 seers 9 chitaks, Magrahat 10½ seers, and Baduria 10 seers 10 chitaks.

H In the subdivisional marts the retail prices of salt per rupee are:—Baludurkhali 10½ seers, Chumlanga 10 seers, Mohorpur 10½ seers, and Raniganj 10½ seers.

I In the subdivisional marts the retail prices of salt per rupee are:—Bagnihat 8 seers and Batkhira 11 seers.

J In the subdivisional marts the retail prices of salt per rupee are:—Jhen'da 9 seers 9 chitaks, Magura 10 seers, Narail 9 seers 10 chitaks.

*the Districts of Bengal on the 15th January, 1893.*

OF 80 TOLAHS.

A OR CUMBU.  
*Macrum typhoides.*)

MARUA OR RASI.  
*(Hemisine Corocana.)*

Next preceding re- turn.	re- turn of last year.	Present return.	Next preceding re- turn.	re- turn of last year.
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S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.
...	...	...	...	...	...	...	...	...	...
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PRICES-CURRENT (retail) of Food-gra

KANGNI OR KANUN, ITALIAN MILLET. (Sotaria italica.)			GHAM, GHANA, CHHOLA, KADALAY OR BUNAGA. (Cicer arietinum.)		
Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.

s.	Ch.	s.	Ch.	s.	Ch.	s.	Ch.	s.	Ch.	s.	Ch.
...	...	...	...	16	0	16	0	20	0	...	...
...	...	...	...	14	0	14	0	16	0	...	...
...	...	...	...	13	8	13	8	16	0	...	...
...	...	...	...	12	12	12	12	16	0	...	...
...	...	...	...	12	12	11	8	16	0	...	...
...	...	...	...	...	...	...	...	...	...	...	...

9	8	9	8	10	10	13	0	13	0	15	12
5	0	5	8	8	0	15	4	15	4	18	0
...	...	...	...	16	0	15	0	17	12	...	...
...	...	...	...	12	0	13	0	13	0	...	...
...	...	...	...	13	4	13	0	15	4	...	...
...	...	...	...	16	0	16	0	20	0	...	...

...	...	...	...	11	0	11	0	10	0	...	...
...	...	...	...	8	0	8	0	11	0	...	...
...	...	...	...	11	0	9	0	13	0	...	...
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...	...	...	...	...	...	...	...	15	8	...	...
...	...	...	...	13	0	13	0	13	0	...	...
...	...	...	...	12	4	12	0	13	0	...	...
...	...	...	...	12	8	12	8	13	0	...	...

...	...	...	...	12	12	12	0	13	13	...	...
...	...	...	...	15	0	15	0	18	12	...	...
...	...	...	...	13	8	13	8	13	0	...	...

*Head-quarters Station Bazars of the Districts of Bengal on the 15th January, 1893.*

INDIAN-CORN OR MAIZE. (Zea Mays.)															ARHAR OR TUR, CAJAN PEA. (Cajanus Indicus.)					FIREWOOD.			SALT.			WHOLESALE PRICES PER MAUND OF 40 SEERS.									DISTRICTS.	Number.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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K In the subdivisional marts the retail prices of salt per rupee are : - Kandi 11½ seers and Jaugipur 10½ seers.

L At Penny Hat the retail price of salt is 8 seers 6 chitaks per rupee.

M In the subdivisional marts the retail prices of salt per rupee are : - Chandpur 9 seers and Brahmanbaria 9 seers 6 chitaks.

N In the subdivisional marts the retail prices of salt per rupee are : - Madungaj 11 seers, Alamganj 9 seers 13 chitaks, Mirkadim 10 seers, and Mutshirhat 10 seers.

O In the subdivisional marts the retail prices of salt per rupee are : - Madaripur 10 seers and Goalundo 10 seers.

P In the subdivisional marts the retail prices of salt per rupee are : - Patmukhali 9 seers, Pirojpur 10½ seers, and Bhola 9 seers.

Q In the subdivisional marts the retail prices of salt per rupee are : - Jamalpur 10 seers, Kishorganj 10 seers, Netrakona 10 seers, and Kagrari 10 seers.

R In the subdivisional marts the retail prices of salt per rupee are : - Nator 9 seers and Nangaon 9 seers 9 chitaks.

S In the subdivisional marts the retail prices of salt per rupee are : - Kurigaon 8 seers, Gaibandha 10 seers, and Nilphamari 10 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood, and S

MONI OR KARUN, TALIAN MILLET, *Setaria italica*.)  
(GRAM, ORAN, CHHOLA, KADAI, OR SUNAGA, *Cicer arietinum*)

Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.
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Ch. S. Ch. S. Ch. S. Ch. S. Ch. S.

..	...	...	12	0	11	4	13
..	...	...	13	8	14	4	17
..	...	...	10	0	10	0	11
..	...	...	13	0	13	0	13

0	14	0	...	16	0	16	0	20
..	...	...	...	15	2	15	12	20
..	21	0	...	...	13	0	16	
0	13	0	...	13	0	13	0	18
..	...	...	...	13	4	13	4	16

0	22	0	20	0	20	0	20	0	22
0	17	0	16	0	16	0	16	8	20
..	...	...	...	15	0	15	0	20	
..	13	3	...	17	0	17	8	18	
..	...	...	...	16	0	15	0	17	
0	18	0	15	8	17	8	19	0	21
..	...	...	...	15	8	16	4	19	

..	...	...	...	13	6	13	6	15	
..	...	...	...	...	...	...	...	...	
..	...	...	...	12	0	12	0		
..	...	...	...	13	0	13	0		

..	...	...	...	13	8	13	12	17	
..	...	...	...	12	0	11	0	14	
..	...	...	...	12	0	12	0	14	
..	...	...	...	13	8	12	10	14	
..	...	...	...	12	0	12	0	14	
..	...	...	...	14	8	14	0	14	

## Station Bazars of the Districts of Bengal on the 15th January 1893—(concluded).

															WHOLESALE PRICES PER MAUND OF 40 SEERS.						DISTRICTS.	Number.														
INDIAN-CORN OR MAIZE (Zea Mays.)			ARHAR OR TUR, CADJAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			SALT.																								
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.																			
3.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.														
...	...	...	...	...	...	90	0	90	0	90	0	9	12	9	9	3	13	0	3	13	0	3	14	8	Bogra.	23										
...	...	...	22	0	21	0	16	0	200	0	200	0	9	12	9	12	3	10	0	3	10	0	3	12	0	Pabna.	24									
4	0	11	0	16	0	8	0	8	0	120	0	120	0	8	0	8	0	4	10	0	4	12	0	5	0	0	Darjeeling	25								
...	...	...	10	0	10	0	8	0	180	0	180	0	200	0	10	0	10	0	3	12	0	3	12	0	4	0	0	Jalpaiguri.	26							
2	0	23	0	19	8	15	0	15	0	140	0	140	0	145	0	10	8	10	8	3	7	0	3	7	0	3	12	0	Monghyr.	27						
7	12	27	14	18	15	16	6	16	6	176	0	176	0	164	0	10	11	10	11	3	12	0	3	12	0	3	12	0	Blazalpur.	28						
		25	0	17	0			16	0	13	0			320	0			10	0	10	0			3	10	2	4	0	0	Purnea.	29					
5	0	26	0	...	12	0	12	0	...	160	0	160	0	120	0	10	0	10	0	9	8	3	12	0	3	12	0	3	12	0	Mulda.	30				
4	0	24	0	21	0	20	8	18	8	17	0	200	0	200	0	200	0	10	8	10	8	9	0	3	10	3	3	10	3	4	0	0	Southal Parganas.	31		
4	0	21	0	21	0	20	0	20	0	18	8	130	0	130	0	120	0	11	8	11	8	11	8	3	8	0	3	8	0	3	8	0	Patna.	32		
1	0	23	0	...	18	0	19	0	17	0	200	0	200	0	110	0	10	0	10	0	10	0	3	13	0	3	13	0	3	11	0	Gaya.	33			
3	0	21	0	18	0	16	0	16	0	15	0	160	0	160	0	120	0	11	0	11	0	10	8	3	10	0	3	10	0	4	0	0	Shahabad.	34		
5	5	27	8	20	14	17	9	17	9	16	8	176	0	176	0	160	0	10	4	10	6	11	0	3	14	0	3	14	0	3	6	0	Darbhanga.	35		
5	0	26	0	21	0	17	0	16	0	15	0	160	0	160	0	160	0	11	0	10	8	11	0	3	10	0	3	11	0	3	10	6	Muzaharpur.	36		
2	8	22	0	21	8	18	8	18	12	17	8	200	0	200	0	150	0	10	8	10	8	10	12	3	11	0	3	11	0	3	11	0	Saran.	37		
4	8	25	0	21	0	16	0	16	4	14	0	160	0	160	0	160	0	10	12	11	0	10	8	3	12	0	3	10	0	3	12	0	Champan.	38		
...	...	...	...	17	1	17	1	15	12	80	0	80	0	80	0	10	12	10	12	11	0	3	6	0	3	5	0	3	12	0	3	12	0	Cuttack.	39	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	0	12	0	11	13	3	4	0	3	4	0	3	6	0	3	6	0	Puri.	40	
...	...	...	...	10	12	10	12	...	...	160	0	160	0	140	0	11	0	11	0	10	8	3	10	0	3	10	0	3	14	0	3	14	0	Balasore.	41	
0	22	0	10	0	15	0	16	0	17	0	240	0	210	0	240	0	9	0	9	8	10	0	4	0	0	4	0	0	3	12	0	3	12	0	Hazáribágh.	42
0	21	0	20	0																															Lohardaga.	43
5	25	5	22	7																															Paláman.	44
...	16	0	20	0	12	0	12	0	16	0	100	0	100	0	160	0	9	0	9	0	9	0	4	6	0	4	6	0	4	4	0	4	4	0	Singbhum.	45
0	21	0	26	0	18	0	18	0	18	0	...	...	...	...	...	...	10	10	10	10	10	10	3	11	0	3	12	3	3	10	0	3	10	0	Manbhum.	46

b In the subdivisional marts the retail prices of salt per rupee are:—Buxar 11 seers, Sasaram 10½ seers, and Bhabhua 10 seers.

c At Madhubani the retail price of salt is 11 seers per rupee.

d In the subdivisional marts the retail prices of salt per rupee are:—Hajipur 10½ seers and Sitamarhi 11½ seers.

e At Siwan the retail price of salt is 11 seers per rupee.

f At Bettiah the retail price of salt is 10 seers per rupee.

g In the subdivisional marts the retail prices of salt per rupee are:—Kondrapara 9 seers, Banki 12 seers.

h At Bhadrak the retail price of salt is 9 seers per rupee.

i At Giridih the retail price of salt is 11 seers per rupee.

j At Golandpur the retail price of salt is 10½ seers per rupee.

Published for general information.

O. E. BUCKLAND,  
Secretary to the Govt. of Bengal.



PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 6 0	3 6 0	3 6 4	2 8 0	2 8 0	1 2 0	5 9 0	5 8 0	4 5 4	4 2 0	4 0 0	2 14 4
2	Sirajganj ...	3 8 0	3 8 0	3 12 0	...	...	...	5 6 0	5 4 0	5 4 0	3 2 0	3 0 0	3 9 0
3	Dacca ...	...	...	3 12 0	...	...	1 8 0	5 0 0	5 0 0	3 5 0	3 4 0	3 4 0	2 8 0
4	Narayanganj ...	...	...	...	...	...	...	3 6 0	3 4 0	2 10 0	3 2 0	3 0 0	2 8 0
5	Chittagong	4 2 0	4 2 0	4 0 0	...	...	...	3 12 0	3 12 0	4 8 0	3 2 0	3 2 0	3 0 0
6	Patna ...	2 10 6	Red. 2 10 6	2 8 0	2 0 0	2 0 0	1 9 6	3 13 0	3 13 0	3 8 0	2 5 6	2 5 6	2 8 0
		2 13 6	White. 2 13 6	2 13 6									
7	Balasore ...	3 8 0	3 8 0	3 12 0	3 12 0	3 12 0	3 12 0	3 12 0	3 12 0	2 14 0	2 6 0	2 6 0	2 6 0
8	Puri ...	...	...	...	...	...	...	4 5 0	4 5 0	4 9 0	2 5 0	2 8 6	2 8 6
9	Cuttack ...	3 10 0	3 10 0	4 4 0	...	...	...	3 10 0	3 12 0	3 10 0	2 10 0	2 10 0	3 0 0

CALCUTTA,  
The 24th January, 1893.

n the undermentioned *Marts* of Bengal on the 15th January 1893.

GRAM, OHANA, CHHOLA, KADALAY OR SUNAGA. ( <i>Cicer Arietinum</i> .)			INDIAN-CORN OR MAIZE. ( <i>Zea Mays</i> .)			ARHAR OR THUR, CAJAN PEA. ( <i>Cajanus indicus</i> .)			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 13 0	2 13 0	2 4 7	1 13 0	1 13 0	2 2 7	3 4 3	3 4 6	2 6 3	0 7 0	0 7 0	0 5 9	4 0 0	4 0 0	3 4 3	Calcutta.
2 14 0	2 14 0	2 13 0	...	...	...	...	...	...	0 6 6	0 6 6	0 6 6	3 8 0	3 8 0	3 7 0	Sirajganj.
...	...	2 10 0	...	...	...	...	...	2 10 0	0 5 0	0 5 0	0 5 0	3 10 0	3 10 0	3 8 0	Dacca.
3 12 0	3 12 0	3 8 0	...	...	...	3 6 0	3 6 0	3 8 0	0 8 0	0 8 0	0 8 0	3 8 0	3 8 0	3 6 0	Narayangan .
3 10 0	3 10 0	3 8 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 0	3 8 0	3 10 0	3 8 0	Chittagong.
2 0 0	2 0 0	1 13 0	1 10 9	1 10 9	1 11 6	2 0 0	2 0 0	2 2 6	0 5 0	0 5 0	0 5 4	3 8 0	3 8 0	3 8 0	Patna.
2 14 0	2 14 0	2 12 0	...	...	...	3 10 0	3 10 0	...	...	...	...	3 12 0	3 10 0	3 12 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	3 4 0	3 4 0	3 6 0	Puri.
2 4 0	(Kalni.) 2 4 0	2 10 0	...	...	...	2 6 0	2 6 0	2 8 0	0 8 0	0 8 0	0 8 0	3 6 0	3 5 0	3 12 0	Cuttack.

Published for general information.

C. E. BUCKLAND,  
*Secretary to the Govt. of Bengal.*

Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.			STATION OBSERVATIONS.														
			DISTRICT.	Representative station.	AIR PRESSURE.				WIND.		TEMPERATURE.						
					Mean barometric height, 3 A. M. reduced to 32°.	Mean reduced to sea-level and constant gravity, lat. 45°.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest.	Date.	Lowest.	Date.	Mean maximum temperature.	Mean minimum temperature.	Mean daily temperature.	
ORISSA.	Puri	Puri	29.903	29.912	—	Calm	223	80.6	20th Jan.	60.1	15th Jan.	77.3	65.3	71.4			
		Gopalpore	29.907	29.928	—0.093	NNW	288	81.2	19th	57.0	15th	79.6	60.9	70.3			
		False Point	29.907	29.931	—0.101	W	216	80.4	19th	57.0	15 & 16	78.8	60.0	69.0			
	Cuttack	Cuttack	29.904	29.932	—0.096	Calm		85.3	17 & 19	54.0	13th	83.0	60.5	71.7			
Balasore	Balasore	29.925	29.930	—0.111	Variable	102	85.4	19th	53.3	15th	81.5	58.4	70.0				
Midnapore	Midnapore	29.938	29.941	—0.111	N	215	85.3	17th	53.2	15th	81.6	58.1	69.9				
24-Pargannas	Calcutta	29.967	29.924	—0.116	Calm	65	79.7	17, 18, 19,	51.2	15th	77.6	67.8	67.7				
	Saugor Island	29.951	29.921	—0.100	Variable	213	78.2	17th	57.9	16th	70.1	63.2	66.6				
SOUTH-WEST BENGAL.	Howrah	Howrah															
	Nadia	Krishnagar	29.934	29.932	—0.090	Variable	73	80.2	19th	47.3	15th	78.2	58.5	65.9			
	Khulna	Jessore	29.946	29.927	—0.105	Calm	51	79.7	18th	48.9	15th	76.8	54.9	65.8			
	Burdwan	Burdwan	29.901	29.943	—0.106	Calm	30	82.1	17th	50.6	15th	78.0	55.3	67.2			
NORTH BENGAL.		Raniganj	29.932	29.957	—0.105	NWly	26	81.7	17th	51.7	15th	77.5	54.3	65.0			
	Bankura	Bankura	29.962	29.929	—0.107	NWly	46	83.1	17th	51.3	15th	78.2	55.9	67.1			
	Birbhum	Berhampore	29.911	29.930	—0.117	Calm	41	80.1	17, 19	50.2	16th	76.3	58.3	64.8			
	Murshidabad	Murshidabad	29.930	29.942	—0.100	SW	29	77.6	17th	47.9	21st	74.7	50.9	62.8			
EAST BENGAL.	Bogra	Bogra	29.912	29.929	—0.079	N	35	78.3	17th	48.2	15, 21	75.3	50.8	63.0			
	Rajshahi	Rampur	29.905	29.948	—0.092	sly	59	78.5	17th	47.7	15th	75.0	51.0	63.0			
	Malda	Malda*	29.887	29.924	—	SWly	52	78.5	17 & 19	?	?	75.6		?			
	Dinajpur	Dinajpur	29.820	29.938	—0.076	Wly	40	79.1	17th	43.5	21st	73.6	49.3	61.5			
NORTH BENGAL.	Rangpur	Rangpur	29.834	29.957	—0.103	SEly	43	73.7	17th	44.1	21st	72.1	49.0	60.6			
	Jalpaiguri	Jalpaiguri*	29.707	29.961	—0.076	Calm	39	71.4	15, 21	46.6	20th	70.0	50.2	60.5			
	Kuch Bihar	Kuch Bihar															
	Darjeeling	Darjeeling	22.840	—	—0.125	Calm	215	42.1	20th	28.7	21st	39.5	31.7	35.6			
EAST BENGAL.	Sikkim	Gustong	19.053	—	—	Variable	68	31.2	16th	—1.0	21st	26.6	4.2	15.4			
	Chittagong	Chittagong	29.904	29.943	—0.085	NE		78.7	18th	52.1	16th	77.4	50.2	66.7			
	Chittagong Hill Tracts	Domagiri						Observations not received.									
	Backergunge	Barisal	29.962	29.921	—0.023	Calm	41	82.3	19th Jan.	52.1	15, 16	78.2	57.0	67.6			
NORTH BENGAL.	Nonkhali	Nonkhali	29.927	29.918	—0.044	Variable	82	78.3	19th	50.0	16th	77.0	57.3	67.2			
	Faridpur	Faridpur	29.938	29.934	—0.035	Calm & S	45	78.5	17th	49.0	15th	74.2	52.7	63.5			
	Dacca	Dacca	29.956	29.937	—0.104	Calm	60	79.1	17th	52.8	15th	77.2	56.4	66.8			
	Tippera	Comilla	29.951	29.935	—0.083	Calm & Ely.	37	80.9	18th	59.1	16th	78.0	55.8	66.9			
NORTH BENGAL.	Mymensingh	Mymensingh	29.934	29.912	—0.093	Calm & Ely.	57	74.9	17th	49.3	21st	73.3	53.5	63.4			
	Purnea	Purnea	29.840	29.930	—0.100	Calm	33	76.2	19th	42.3	21st	73.9	47.4	60.7			
	Bhagalpur	Bhagalpur	29.814	29.935	—0.105	Calm	11	79.8	17th	45.5	21st	75.9	43.9	62.0			
	Darbhanga	Darbhanga	29.840	29.961	—0.103	WSW & WNW.	67	73.6	17th	40.7	21st	73.1	50.4	61.6			
NORTH BENGAL.	Muzaffarpur	Muzaffarpur	29.901	29.931	—	WSW	74	75.7	17th	43.3	21st	72.8	48.0	60.0			
	Champanan	Motihari	29.727	29.923	—0.111	WSW	101	76.2	17, 18	40.0	24th	74.2	46.2	60.3			
	Naran	Chapra	29.793	29.930	—0.077	Calm & SW.	85	79.3	17th	45.7	21st	74.8	50.3	62.6			
		Dohri	29.916	29.942	—0.117	SW	50	81.1	17th	43.0	21st	76.0	53.0	64.5			
SOUTH BENGAL.	Shahabad	Buzar	29.729	29.934	—0.115	WSW	73	?	?	43.4	20th	?	50.0	?			
		Arrah	29.784	29.935	—0.091	Variable	67	80.1	17th	41.9	21st	75.7	49.4	62.6			
	Gaya	Gaya	29.670	29.923	—0.140	sly	122	81.4	17th	46.3	21st	76.4	52.0	64.2			
	Patna	Bankipore	29.863	29.940	—0.115	Wly	86	80.0	18th	45.6	21st	74.7	50.2	62.4			
NORTH BENGAL.	Monghyr																
	Sonthal Pargannas	Naya Dumka	29.477	29.966	—0.092	Calm	48	80.6	17th	48.6	16th	76.1	52.3	64.3			
	Hazaribagh	Hazaribagh	27.915	29.954	—0.101	Calm	150	78.2	17th	45.2	20th	72.4	49.4	60.0			
	Lohardaga	Ranchi	27.782	29.971	—0.101	W	116	77.1	17th	47.4	19 & 20	72.8	50.1	61.4			
NORTH BENGAL.	Palamau																
	Singbhum	Chaibasa	29.179	29.927	—0.104	W	24	84.5	19th	50.2	15th	79.8	51.7	67.2			
NORTH BENGAL.	Manbhum																

\* Mean of 6 days.  
Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the readings during the same period. The humidity of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The normal means are the numerical means or average of the rainfall in that district determined from the returns sent in by the subdivisional stations. The normal means are the numerical means or average of the rainfall in that district determined from the returns sent in by the subdivisional stations. A rainy day is one on which the normal means are the numerical means or average of the rainfall in that district determined from the returns sent in by the subdivisional stations.

for the week ending Saturday, the 21st of January 1893.

DISTRICT OBSERVATIONS.															DISTRICT.
Variation from normal mean.	Mean 8 A.M. temperature.	Average humidity at 8 A.M.	Average cloud amount at 8 A.M.	Rainfall of week at observing station.	OF WEEK.				RAINFALL.						
					Mean for district.	Normal mean.	Average number of rainy days.	Normal number of rainy days.	Since 1st of month.			Since 16th October 1902.			
									Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.	
-	67.7	84	4.1	0.68		0.14		0.28		0.24				6.34	Puri.
+0.1	65.4	84	0.1	0.25											
+1.1	66.8	84	3.0	1.25											
-0.8	64.0	76	3.0	0.56		0.18		0.37		0.27				4.12	
+1.5	63.0	78	1.4	0.15		0.17		0.30		0.26				2.92	Cuttack.
+2.4	62.7	67	2.0	0.02	Nil	0.00	0.00	0.27	Nil	0.28	-0.24	7.93	2.89	+5.04	Bhāsore.
+1.5	61.5	83	2.0	Nil	Nil	0.18	0.00	0.43	Nil	0.34	-0.34	7.12	2.76	+4.36	Midnapore.
+1.8	67.2	90	4.3	Nil											24-Parganas.
					Nil	0.15	0.00	0.47	Nil	0.31	-0.32	3.56	2.11	+1.45	
					0.05	0.10	0.00	0.41	0.05	0.32	-0.27	7.19	1.80	+5.39	
+1.7	59.0	80	3.0	0.02	0.03	0.13	0.00	0.31	0.03	0.22	-0.19	4.27	1.80	+2.47	
					Nil	0.21	0.00	0.42	Nil	0.39	-0.30	6.92	2.73	+4.19	Howrah.
+0.2	59.7	87	4.1	0.24	0.11	0.18	0.45	0.34	0.11	0.31	-0.20	9.30	2.24	+7.06	Hooghly.
+0.3	58.0	72	3.3	0.08	0.06	0.19	0.25	0.22	0.00	0.23	-0.22	4.55	1.73	+2.82	Nadia.
-0.3	59.3	69	1.4	0.02											Khulna.
+1.7	59.7	75	3.1	0.44	0.27	0.23	1.00	0.51	0.37	0.31	+0.06	4.83	1.80	+2.94	Jessore.
-0.1	57.0	80	3.7	0.24	0.10	0.13	0.50	0.30	0.13	0.35	-0.22	1.96	1.24	+0.72	Murshidabad.
0	56.1	94	2.0	0.18	0.24	0.11	1.00	0.33	0.24	0.20	-0.05	1.55	1.77	-0.22	Pabna.
-0.8	56.1	87	2.1	Nil	0.07	0.08	0.23	0.21	0.13	0.23	-0.15	1.05	1.35	-0.39	Bogra.
+0.0	59.0	77	2.7	0.03	0.13	0.12	0.33	0.29	0.24	0.35	-0.11	0.70	1.46	-0.60	Rajshahi.
-	57.2	84	1.7	0.01	Nil	0.13	0.00	0.20	0.12	0.38	-0.26	0.91	1.61	-0.70	Malda.
-0.6	54.0	69	1.7	0.07	Nil	0.08	0.00	0.21	0.35	0.33	+0.02	0.75	1.07	-0.20	Dinajpur.
-0.0	53.7	93	0.0	Nil	Nil	0.12	0.00	0.21	0.36	0.33	-0.02	1.46	1.52	-0.06	Rangpur.
-1.5	55.3	92	3.3	Nil	Nil	0.24	0.00	0.48	0.00	0.44	-0.35	1.22	2.60	-1.47	Jalpaiguri.
-4.1	54.2	83	5.0	0.03	0.17	0.15	0.50	0.27	0.20	0.32	-0.03	1.17	1.32	-0.15	Kuch Bihar.
					0.07	0.29	0.75	0.83	0.81	0.02	+0.19	4.22	2.86	+1.36	Darjeeling.
-	19.7	81	1.1	0.40											Jharkhand.
+0.1	60.6	90	3.0	0.05	0.02	0.21	0.00	0.31	0.02	0.50	-0.48	12.80	5.37	+7.43	
					1.02	0.23	1.00	0.35	1.03	0.41	+1.51	8.01	4.08	+3.93	
+3.5	61.6	90	3.7	0.03	0.20	0.20	0.50	0.44	0.20	0.44	-0.13	8.11	3.90	+4.21	
+2.1	63.2	90	1.1	0.12	0.24	0.18	1.00	0.31	0.24	0.40	-0.16	15.00	5.19	+9.81	Chittagong.
0	58.7	90	2.0	Nil	Nil	0.18	0.00	0.39	Nil	0.31	-0.31	7.23	1.85	+5.38	Tracts.
+0.1	60.0	86	5.0	0.14	0.11	0.15	0.50	0.42	0.11	0.26	-0.15	8.67	2.50	+6.17	Backergunge.
+2.4	61.1	90	4.1	0.28	0.23	0.17	1.00	0.43	0.20	0.40	-0.20	5.57	2.70	+2.87	Noakhali.
+0.8	57.4	92	3.7	0.06	0.24	0.13	0.80	0.53	0.24	0.28	-0.04	3.10	2.00	+1.01	Faridpur.
-1.0	48.0	90	1.3	Nil	0.03	0.18	0.00	0.20	0.31	0.44	-0.13	0.53	1.70	-1.17	Dacca.
+1.1	56.2	81	2.0	0.03	0.03	0.11	0.00	0.33	0.31	0.30	-0.05	0.84	1.41	-0.57	Tippora.
-0.2	54.7	88	2.0	0.10	0.08	0.21	0.33	0.39	0.29	0.40	+0.10	0.60	1.37	-0.77	Mymensingh.
-	52.8	93	2.0	0.00	0.03	0.24	0.00	0.45	0.33	0.53	-0.20	0.37	1.55	-1.18	Purnea.
+0.3	52.0	92	1.1	Nil	Nil	0.28	0.00	0.52	0.10	0.53	-0.43	0.10	1.12	-1.02	Bhagalpur.
+1.0	54.5	87	1.1	0.05	0.15	0.32	0.07	0.03	0.46	0.61	-0.14	0.49	1.31	-1.02	Darbhanga.
?	57.7	78	1.1	0.23											Muzaffarpur.
?	57.0	81	1.4	0.04	0.12	0.21	0.20	0.43	0.18	0.27	-0.09	0.88	1.07	-1.00	Champanau.
+1.0	54.0	84	1.4	0.07											Saran.
+1.3	55.2	83	1.7	0.18	0.18	0.24	1.00	0.30	0.28	0.55	-0.27	0.81	1.39	-0.78	Shahabad.
+1.1	50.9	77	0.6	0.05	0.07	0.18	0.23	0.31	0.22	0.40	-0.24	0.45	1.71	-1.26	Gaya.
					0.11	0.15	0.33	0.33	0.13	0.43	-0.33	1.15	1.61	-0.54	Patna.
+0.8	57.1	77	1.4	0.31	0.07	0.11	0.17	0.35	0.21	0.31	-0.10	1.06	1.45	+0.31	Moukhyr.
-0.8	56.6	60	0.3	0.20											Southern Parganas.
+0.2	56.4	71	2.4	0.07	0.04	0.23	0.00	0.60	0.22	0.53	-0.31	6.38	2.23	+4.15	Hazaribagh.
+0.1	57.0	85	3.0	0.30	0.10	0.18	1.00	0.47	0.10	0.57	-0.38	0.76	2.01	-1.25	Lohardaga.
					0.30	0.23	1.00	0.00	0.39	0.53	-0.25	6.30	3.34	+3.06	Palamu.
					0.18	0.10	1.00	0.47	0.31	0.43	-0.10	5.29	1.63	+1.64	Singbhum.
															Manbhum.

for the last ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater. The numbers denoting cloud amount represents the part of the sky covered the whole sky being denoted by 10. Under the head District observations are for the period in question during the past ten years. The means of the district are the numerical average of the rainfall returned received in the which at least a tenth of an inch fell.

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 21st of January 1893.

Meteorological Division.	District.	Station.	RAINFALL.							Total number of rainy days.	Rainfall of week.	Average rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 1st of October 1892.	Average rainfall from 1st of October date.
			Sunday, 15th.	Monday, 16th.	Tuesday, 17th.	Wednesday, 18th.	Thursday, 19th.	Friday, 20th.	Saturday, 21st.							
ORISSA.	Puri.	Puri ...	...	...	...	...	...	...	0'08	1	0'08	0'00	0'08	0'14	10'73	0'17
		Khurda ...	...	...	...	...	...	0'20	...	...	0'11	0'11	0'23	...	...	4'71
		Banpur ...	...	...	...	...	...	...	...	...	0'00	0'00	0'00	...	...	5'81
		Falso Point ...	...	...	...	...	...	...	...	...	...	...	...	...	...	7'05
		Gop ...	...	...	...	...	...	0'32	0'03	2	1'25	0'34	1'25	0'51	0'40	...
	Cuttack.	Saipara ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pipili ...	...	...	...	...	...	0'25	...	...	...	...	...	...	...	...
		Jagatsingporo ...	...	...	...	...	...	0'40	...	...	0'18	0'18	0'20	...	...	4'03
		Banki ...	...	...	...	...	...	0'10	...	...	0'12	0'12	0'18	...	...	4'10
		Kondrapara ...	...	...	...	...	...	...	...	...	0'24	0'24	0'27	...	...	4'27
	Balasore.	Jajpur ...	...	...	...	...	...	0'65	0'01	1	0'66	0'21	0'66	0'35	0'75	4'42
		Dharmasala ...	...	...	...	...	...	0'45	...	1	0'45	0'15	0'45	0'22	3'87	3'50
		Salipore ...	...	...	...	...	...	0'83	...	1	0'83	...	0'83	...	4'48	...
		Pal Lahara ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Akhyapada ...	...	...	...	...	...	0'50	...	1	0'50	...	0'50	...	3'10	...
SOUTH-WEST BENGAL.	Midnapore.	Ghandibati ...	...	...	...	...	...	0'55	...	1	0'55	0'35	0'55	0'41	5'24	4'21
		Bhadrak ...	...	...	...	...	...	0'57	...	1	0'57	0'17	0'78	0'22	0'73	3'08
		Koto ...	...	...	...	...	...	...	...	...	0'50	0'07	0'50	0'17	0'08	2'88
		Balasore ...	...	...	...	...	...	...	...	Nil	Nil	0'00	Nil	0'30	10'02	3'81
		Jalassore ...	...	...	...	...	...	...	...	Nil	Nil	0'13	Nil	0'23	4'33	1'61
	24-Parganas.	Baripodah ...	...	...	...	...	...	...	...	Nil	Nil	0'00	Nil	0'17	7'80	1'50
		Contai ...	...	...	...	...	...	...	...	Nil	Nil	0'03	Nil	0'13	10'24	4'05
		Tanuluk ...	...	...	...	...	...	...	...	Nil	Nil	0'10	Nil	0'25	5'35	2'73
		Midnapore ...	...	...	...	...	...	...	...	Nil	Nil	0'13	Nil	0'43	7'82	3'61
		Ghatal ...	...	...	...	...	...	...	...	Nil	Nil	0'11	Nil	0'30	8'20	1'19
	Howrah.	Kakrahaly ...	...	...	...	...	...	0'00	...	Nil	0'00	...	0'00	...	3'00	...
		Garhbeta ...	...	...	...	...	...	0'10	...	1	0'10	...	0'10	...	3'41	...
		Saugor Island ...	...	...	...	...	...	...	...	Nil	Nil	0'11	Nil	0'24	14'00	5'12
		Diamond Harbour ...	...	...	...	...	...	...	...	Nil	Nil	0'31	Nil	0'50	6'03	3'00
		Canning Town ...	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	0'24	...
	Hooghly.	Alipore Observatory ...	...	...	...	...	...	...	...	Nil	Nil	0'14	Nil	0'32	4'85	2'05
		Baranagar ...	...	...	...	...	...	...	...	Nil	Nil	0'18	Nil	0'57	7'79	3'00
		Baranag ...	...	...	...	...	...	...	...	Nil	Nil	0'17	Nil	0'34	3'78	2'84
		Basirhat ...	...	...	...	...	...	...	...	Nil	Nil	0'23	Nil	0'42	5'78	2'23
		Howrah ...	...	...	...	...	...	...	...	Nil	Nil	0'09	Nil	0'21	6'26	3'05
	Nadia.	Moheswara ...	...	...	...	...	...	...	...	Nil	Nil	0'15	Nil	0'32	3'09	2'44
		Ulabaria ...	...	...	...	...	...	...	...	Nil	Nil	0'14	Nil	0'31	4'02	1'77
		Serampore ...	...	...	...	...	...	...	...	Nil	0'06	0'17	0'06	0'32	8'69	1'91
		Hooghly ...	...	...	...	0'04	...	...	...	Nil	0'04	0'18	0'04	0'34	7'55	1'80
		Jalnahabad ...	...	...	...	0'04	...	...	...	Nil	0'04	0'23	0'04	0'30	5'01	1'78
	Khuaisa.	Rangghat ...	...	...	...	...	...	...	...	Nil	Nil	0'17	Nil	0'30	5'98	2'03
		Krishnagar ...	...	...	...	0'02	...	...	...	Nil	0'02	0'14	0'02	0'21	5'06	1'38
		Chitradanga ...	...	...	...	0'07	...	...	...	Nil	0'07	0'12	0'07	0'21	...	2'03
		Moheswara ...	...	...	...	...	...	...	...	Nil	Nil	0'05	Nil	0'17	2'09	1'04
		Kuailia ...	...	...	...	0'01	...	...	...	Nil	0'01	0'15	0'01	0'21	2'37	1'08
	Jansore.	Natkhera ...	...	...	...	...	...	...	...	Nil	Nil	0'13	Nil	0'27	4'94	2'33
		Bagerhat ...	...	...	...	...	...	...	...	Nil	Nil	0'31	Nil	0'44	8'05	2'77
		Khuaisa ...	...	...	...	...	...	...	...	Nil	Nil	0'18	Nil	0'34	7'24	2'36
		Nakipur ...	...	...	...	...	...	0'04	...	Nil	0'04	...	0'04	...	5'52	...
		Rampal ...	...	...	...	...	...	0'06	...	1	0'06	...	0'06	...	0'62	...
	Bardhaman.	Narai ...	...	...	...	...	0'21	...	...	1	0'21	0'23	0'21	0'43	0'31	3'80
		Jansore ...	...	...	...	0'08	0'16	0'02	...	1	0'08	0'22	0'20	0'37	13'08	2'66
		Jhondah ...	...	...	...	...	0'06	...	...	Nil	0'06	0'13	0'06	0'24	8'63	3'10
		Mugura ...	...	...	...	...	0'02	...	...	Nil	0'02	0'16	0'02	0'21	7'08	1'72
		Banskan ...	...	...	...	...	...	...	...	Nil	Nil	0'17	Nil	0'30	7'48	2'17
	Banskan.	Kalna ...	...	...	...	...	...	...	...	Nil	Nil	0'08	Nil	0'34	7'30	1'01
		Bardhaman ...	...	...	...	...	0'04	...	0'02	...	0'08	0'18	0'08	0'23	8'14	1'80
		Kalwa ...	...	...	...	...	0'13	...	...	Nil	0'13	0'17	0'13	0'28	3'04	1'84
		Kanung ...	...	...	...	...	0'02	...	...	Nil	0'02	0'13	0'02	0'22	1'71	1'30
		Mankar ...	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	1'73	...
	Murshidabad.	Banskan ...	...	...	...	...	0'00	...	0'04	1	0'01	0'20	0'06	0'20	5'10	1'84
		Vishnupur ...	...	...	...	...	0'13	...	...	1	0'13	0'21	0'16	0'30	5'54	1'77
		Akshara ...	...	...	...	...	0'13	...	...	1	0'13	0'17	0'13	0'25	1'40	1'43
		Khatra ...	...	...	...	...	0'19	...	...	1	0'19	0'30	0'32	0'41	7'11	2'44
		Indas ...	...	...	...	...	0'10	...	...	1	0'10	...	0'10	...	5'58	...
	Narbhumi.	Kotalpur ...	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	3'50	...
		Qanda ...	...	...	...	...	0'11	...	...	1	0'11	...	0'11	...	4'01	...
		Gangajalghat ...	...	...	...	...	0'20	...	...	1	0'20	...	0'20	...	3'00	...
		Kaipur ...	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	8'30	...
		Soumenkha ...	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	0'21	...
	Murshidabad.	Suri ...	...	...	...	0'13	...	...	...	1	0'13	0'15	0'13	0'34	1'70	1'61
		Hatnampore ...	...	...	...	0'03	...	...	...	Nil	0'03	0'10	0'04	0'38	4'54	0'90
		Rampur Hat ...	...	...	...	0'04	...	...	...	Nil	0'04	0'15	0'07	0'37	3'03	1'30
		Kolpur ...	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	2'25	...
		Murari ...	...	...	...	...	...	...	...	Nil	Nil	...	0'07	...	0'07	...
	Murshidabad.	Kandi ...	...	...	...	0'10	...	...	...	1	0'10	0'07	0'10	0'20	2'60	1'30
		Berhampore ...	...	...	...	...	0'24	...	...	1	0'24	0'13	0'19	0'38	1'80	1'37
		Lalbagh ...	...	...	...	...	0'12	...	...	1	0'12	0'07	0'15	0'20	3'16	0'90
		Azimganj ...	...	...	...	...	...	...	...	Nil	Nil	0'25	Nil	0'45	1'51	1'37
		Jamshedpur ...	...	...	0'03	...	...	...	...	Nil	0'03	0'08	0'10	0'38	1'50	1'00
	Pabna.	Salda ...	...	...	...	...	...	...	...	Nil	Nil	0'09	Nil	0'30	1'16	1'30
		Akhripur ...	...	...	...	0'12	...	...	...	1	0'12	...	0'12	...	1'07	...
		Palkubari ...	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	2'30	...
	Tangra.	Palma ...	...	...	...	...	0'20	...	...	1	0'20	0'11	0'20	0'24	2'84	1'00
		Sirajganj ...	...	...	...	...	0'18	...	...	1	0'18	0'11	0'18	0'33	0'46	1'01
		Shoreport ...	...	...	...	...	...	0'27	...	1	0'27	0'04	0'27	0'38	1'05	1'01
		Nowkhilla ...	...	...	...	...	...	...	...	Nil	Nil	0'04	0'00	0'38	1'18	1'44
		Bogra ...	...	...	...	...	...	...	...	Nil	Nil	0'17	0'04	0'32	0'04	1'03
	Bajubahi.	Panemidhi ...	...	...	...	...	...	...	...	Nil	Nil	0'04	0'11	0'31	1'08	0'60
		Khalia ...	...	...	...	0'06	...	...	...	Nil	0'06	0'00	0'08	0'30	1'30	1'30
		Nalor ...	...	...	...	0'08	0'07	...	...	1	0'40	0'21	0'42	0'45	0'79	1'30
		Dampara ...	...	...	...	...	...	...	...	Nil	Nil	0'03	0'23	0'32	0'23	1'10
		Jalpur ...	...	...	...	1'14	...	...	...	1	1'14	...	1'14	...	1'72	...
	Bajubahi.	Manda ...	...	...	...	...	...	...	...	Nil	Nil	...	0'03	...	0'19	...

## Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 21st of January 1893—contd.

Provincial Division.	District.	Station.	RAINFALL.							Total number of rainy days.	Rainfall of week.	Average rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1892.	Average rainfall from 16th Oct. to date.
			Sunday, 15th.	Monday, 16th.	Tuesday, 17th.	Wednesday, 18th.	Thursday, 19th.	Friday, 20th.	Saturday, 21st.							
BENGAL.	Malda	Malda	...	...	...	0'01	...	...	...	Nil	0'01	0'16	0'08	0'30	1'40	1'80
		Chanchal	...	...	...	...	...	...	...	Nil	Nil	0'10	0'10	0'41	0'42	1'27
		Gajni	...	...	...	...	...	...	...	Nil	Nil	...	...	...	0'24	...
	Dinajpur	Sidganj	...	...	...	...	...	...	...	Nil	Nil	...	0'15	...	0'75	...
		Mohadebpore	...	...	...	...	...	...	...	Nil	Nil	0'05	Nil	0'30	0'31	0'74
		Churaman	...	...	...	...	...	...	...	Nil	Nil	0'08	0'31	0'33	0'60	0'76
		Raiganj	...	...	...	...	...	...	...	Nil	Nil	0'13	0'34	0'40	1'35	0'85
		Dinajpur	...	...	...	...	...	...	...	Nil	Nil	0'09	0'44	0'43	0'72	2'28
	Raiganj	Naturhat	...	...	...	...	...	...	...	Nil	Nil	0'06	...	0'23	0'55	0'77
		Thakurgaon	...	...	...	...	...	...	...	Nil	Nil	...	0'21	...	0'21	...
		Bhawaniganj (Gyabanda)	...	...	...	...	...	...	...	Nil	Nil	0'12	0'05	0'27	0'58	1'60
		Raipur	...	...	...	...	...	...	...	Nil	Nil	0'25	0'30	0'52	3'72	2'12
		Kuriganj	...	...	...	...	...	...	...	Nil	Nil	0'09	0'22	0'39	0'43	1'33
BENGAL.	Jalpaiguri	Bogra (Nalpanamari)	...	...	...	...	...	...	...	Nil	Nil	0'04	0'37	0'36	1'10	1'04
		Ulipur	...	...	...	...	...	...	...	Nil	Nil	...	0'30	...	0'30	...
		Jalpaiguri	...	...	...	...	...	...	...	Nil	Nil	0'24	0'09	0'44	1'22	2'60
		Ajpur Duar	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	1'08	...
		Pullacotta	...	...	...	...	...	...	...	Nil	Nil	...	0'13	...	1'24	...
	Kuch Bihar	Dohiganj	...	...	...	...	...	...	...	Nil	Nil	...	0'20	...	0'80	...
		Bhagalpur (Agnakhatta)	...	0'25	...	0'05	0'10	...	...	3	0'85	...	1'42	...	7'60	...
		Dinhat	...	...	...	...	0'37	...	...	1	0'37	0'14	0'13	0'34	0'94	1'28
		Kuch Bihar	...	...	...	...	...	...	...	...	...	0'20	0'21	0'38	1'41	1'57
		Mickhanganj	...	...	...	...	0'27	...	...	1	0'27	0'17	0'27	0'31	1'09	1'31
BENGAL.	Darjeeling	Muthabhang	...	...	...	...	0'02	...	...	Nil	0'02	0'04	0'14	0'24	1'17	1'03
		Bura	...	0'21	0'50	0'38	1'16	...	...	3	2'39	0'31	2'04	0'80	11'89	4'37
		Sikuri	0'06	0'07	...	0'06	...	...	...	Nil	0'19	0'17	0'33	0'40	2'19	1'18
		Darjeeling	...	0'03	...	...	...	...	...	Nil	0'04	0'10	0'09	0'38	1'01	4'18
		Kalimpong	0'12	0'05	...	0'04	...	...	...	Nil	0'04	0'33	0'31	0'82	1'77	1'04
	Chittagong	Karnagong	...	...	...	0'03	...	...	...	1	0'20	...	...	...	2'30	...
		Cor's Nazar	...	...	...	...	...	...	...	Nil	Nil	0'21	Nil	0'45	13'05	0'42
		Chittagong	...	...	...	...	0'03	...	...	Nil	0'03	0'21	0'03	0'53	12'53	4'26
		Kutubdia	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	19'13	...
		Satkanya	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	8'79	...
BENGAL.	Chittagong Hill Tracts.	Rangamati	...	...	...	...	...	1'32	...	1	1'32	0'23	1'32	0'41	8'61	4'08
		Bandarban	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	8'70	...
	Backergunge	Patuakhali	...	...	...	...	0'05	...	...	1	0'05	0'31	0'05	0'43	8'89	4'47
		Pirojpur	...	...	...	...	0'06	...	...	Nil	0'06	0'29	0'06	0'50	7'52	3'70
		Barisal	...	...	...	...	...	...	...	Nil	Nil	0'24	Nil	0'52	7'40	3'07
		Gournaldi	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	6'53	...
		Bhola	...	...	...	...	0'15	...	...	1	0'15	0'27	0'16	0'30	8'03	3'75
BENGAL.	Noakhali	Daulatkhali	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	11'09	...
		Barphul	...	...	...	0'18	0'24	...	...	2	0'42	...	0'42	...	8'01	...
		Noakhali	...	...	...	...	0'13	0'02	...	1	0'15	0'14	0'15	0'36	10'34	4'47
		Fenny	...	...	...	0'32	...	...	...	1	0'32	0'21	0'32	0'42	14'38	5'30
		Harapnagar	...	...	...	...	0'08	...	...	Nil	0'08	...	0'08	...	19'54	...
BENGAL.	Faridpur	Kampanj	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	10'73	...
		Madanipur	...	...	...	...	...	...	...	Nil	Nil	0'19	Nil	0'44	6'09	2'04
		Faridpur	...	...	...	...	...	...	...	Nil	Nil	0'20	Nil	0'26	10'70	1'79
		Goalundo	...	...	...	...	...	...	...	Nil	Nil	0'15	Nil	0'25	4'92	1'71
	Dacca	Munshiganj	...	...	...	...	...	...	...	Nil	Nil	0'15	Nil	0'28	7'06	2'77
		Dacca	...	...	...	0'23	...	...	...	1	0'23	0'12	0'23	0'22	11'71	1'87
		Naryanganj	...	...	...	0'02	...	...	...	Nil	0'02	0'17	0'02	0'28	10'02	3'05
		Munshiganj	...	...	...	0'03	...	...	...	Nil	0'03	0'14	0'03	0'25	6'46	1'09
		Joydubpur	...	...	...	0'17	...	...	...	1	0'17	...	0'17	...	3'83	...
BENGAL.	Hill Tracts	Akarta	...	...	...	0'19	...	...	...	1	0'19	0'15	0'19	0'38	0'53	3'11
		Comilla	...	...	...	0'23	...	...	...	1	0'23	0'11	0'23	0'44	8'43	2'87
		Chandpur	...	...	...	...	...	0'19	...	1	0'19	0'23	0'19	0'29	7'03	2'17
		Brahmanbaria	...	...	...	0'20	...	...	...	1	0'20	0'15	0'20	0'45	10'50	2'66
		Ramchandrapur	...	...	...	0'01	...	...	...	Nil	0'01	...	0'01	...	7'08	...
BENGAL.	Mymensingh	Nasirnagar	...	...	...	0'24	...	...	...	1	0'24	...	0'24	...	10'71	...
		Daudkandi	...	...	...	0'19	...	...	...	1	0'19	...	0'19	...	4'55	...
		Kasba	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	12'30	...
		Laksham	...	...	...	0'31	...	...	...	1	0'31	...	0'31	...	0'17	...
		Kishanganj	...	...	...	0'17	0'27	...	...	2	0'44	0'11	0'44	0'43	6'34	2'14
BENGAL.	Purnea	Atia (Tangail)	...	...	...	0'15	...	...	...	1	0'15	0'15	0'15	0'20	1'01	2'14
		Mymensingh	...	...	...	0'06	...	...	...	Nil	0'06	0'12	0'06	0'22	0'67	1'60
		Jamulpur	...	...	...	...	...	...	...	Nil	Nil	0'13	Nil	0'30	1'14	2'43
		Narail	...	...	...	...	...	...	...	1	0'54	0'12	0'54	0'18	3'81	1'20
		Saharnakhalij	...	...	...	0'54	...	...	...	1	Nil	...	Nil	...	0'11	2'57
BENGAL.	Bhagalpur	Durgapore	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	1'64	...
		Shorepore Town	...	...	...	...	...	...	...	Nil	Nil	...	0'06	...	5'12	...
		Duwanganj	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	0'78	...
		Kishanganj	...	...	...	...	...	...	...	Nil	Nil	0'29	0'24	0'38	0'28	1'71
		Araria	...	...	...	0'00	...	...	...	Nil	Nil	0'10	0'18	0'39	0'18	1'46
BENGAL.	Purnea	Purnea	...	...	...	...	...	...	...	Nil	Nil	0'15	0'32	0'44	0'50	1'58
		Gondwara (Korah)	...	...	...	0'04	...	...	...	Nil	0'04	...	0'40	...	0'41	...
		Barsoo	...	...	...	...	...	...	...	Nil	Nil	...	Nil	...	Nil	...
		Forbesganj	...	...	...	...	...	...	...	Nil	Nil	...	0'11	...	0'11	...
		Kataganj	...	...	...	...	...	...	...	Nil	Nil	...	0'05	...	0'05	...
BENGAL.	Bhagalpur	Madhipura	...	...	...	...	...	...	...	Nil	Nil	0'10	0'31	0'38	0'45	1'37
		Bongson (Nylabad)	...	...	...	...	...	...	...	Nil	Nil	...	0'60	...	0'60	...
		Supaul	...	...	...	...	...	...	...	Nil	Nil	0'15	0'07	0'37	0'07	1'25
		Prothapganj	...	...	...	...	...	...	...	Nil	Nil	...	0'10	...	0'10	...
		Bhagalpur	...	...	0'02	0'01	...	...	...	Nil	0'03	0'10	0'07	0'35	0'50	1'45
BENGAL.	Darbhanga	Banka	...	...	...	0'08	...	...	...	Nil	0'08	0'10	0'15	0'36	1'70	1'64
		Catgong	...	...	...	0'02	0'01	...	...	Nil	0'03	...	0'44	...	1'07	...
		Tripur	...	...	...	0'15	...	...	...	1	0'15	0'15	0'37	0'46	0'37	1'40
		Darbhanga	...	...	...	0'03	...	...	...	Nil	0'10	0'20	0'77	0'46	0'70	1'37
		Mudhubani	...	...	...	...	...	...	...	Nil	Nil	0'30	0'63	0'35	0'63	1'48
BENGAL.	Bhagalpur	Bahra	...	...	...	0'27	...	...	...	1	0'27	...	0'77	...	0'77	...
		Rohara	...	0'05	0'00	...	...	...	...	Nil	0'14	...	0'44	...	0'44	...
		Kishanganj	...	...	...	...	...	...	...	Nil	Nil	0'29	0'24	0'38	0'28	1'71
		Araria	...	...	...	0'00	...	...	...	Nil	Nil	0'10	0'18	0'39	0'18	1'46
		Purnea	...	...	...	...	...	...	...	Nil	Nil	0'15	0'32	0'44	0'50	1'58

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 21st of January 1893—conold.

Meteorological Division.	District.	Station.	RAINFALL.							Total number of rainy days.	Rainfall of week.	Average rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1892.	Average rainfall from 16th Oct. to date.
			Sunday, 15th.	Monday, 16th.	Tuesday, 17th.	Wednesday, 18th.	Thursday, 19th.	Friday, 20th.	Saturday, 21st.							
NORTH BIHAR—concluded.	Muzaffarpur...	Sitamarhi ...	...	...	0'04	...	...	...	...	Nil	0'04	0'15	0'10	0'38	0'10	1'11
		Muzaffarpur ...	...	...	...	...	...	...	...	Nil	Nil	0'32	0'30	0'62	0'50	2'12
		Hajipur ...	...	...	0'05	...	...	...	...	Nil	0'05	0'24	0'25	0'67	0'57	1'57
		Para ...	...	...	...	...	...	...	...	1	0'23	?	?	?	?	?
		Mukna ...	...	...	0'05	0'21	...	...	...	Nil	Nil	?	0'19	?	0'60	?
	Champaran	Sinhar ...	...	...	...	...	...	...	...	Nil	Nil	?	0'35	?	0'25	?
		Pupri ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?	?
		Motihari ...	...	...	...	...	...	...	...	Nil	Nil	0'21	0'15	0'56	0'18	1'09
		Beitiah ...	...	...	...	...	...	...	...	Nil	Nil	0'33	0'04	0'61	0'04	1'13
	Saran	Lughia ...	...	...	...	...	...	...	...	Nil	Nil	?	0'19	?	0'28	?
		Kurhura ...	...	...	0'08	...	...	...	...	Nil	0'08	?	0'21	?	0'21	?
		Gopalganj ...	...	...	0'04	0'07	...	...	...	Nil	0'11	0'15	0'36	0'30	0'36	0'37
		Sivan ...	...	...	0'10	0'13	...	...	...	2	0'24	0'24	0'72	0'28	0'72	1'30
SOUTH BIHAR	Bhahabad ...	Chapra ...	...	...	0'05	...	...	...	...	Nil	0'05	0'24	0'24	0'64	0'37	1'00
		Buxar ...	...	...	0'02	0'02	...	...	...	Nil	0'04	0'22	0'32	0'66	1'00	1'38
		Dohi ...	...	...	0'03	0'20	...	...	...	1	0'25	0'28	0'72	0'57	1'08	2'05
		Bhabhua ...	...	...	0'13	...	...	...	...	Nil	0'13	0'19	0'60	0'62	0'71	2'19
		Masara ...	...	...	0'04	0'00	...	...	...	Nil	0'13	0'15	0'53	0'41	0'70	1'84
		Ayrah ...	...	...	0'06	...	...	...	...	Nil	0'06	0'20	0'32	0'54	0'61	1'63
		Mohana ...	...	...	0'05	...	...	...	...	Nil	0'05	?	?	?	0'05	?
		Khiri ...	...	...	...	...	...	...	...	Nil	Nil	?	0'20	?	?	?
		Agason ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Ramagar ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?	?
		Kuth ...	...	...	0'04	...	...	...	...	Nil	0'04	?	?	?	0'25	?
		Sikrout ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	1'31	?
		Bossman ...	...	...	0'11	...	...	...	...	1	0'11	?	?	?	?	?
		Monaharpur ...	...	...	0'05	...	...	...	...	Nil	0'05	?	0'37	?	1'35	?
	Gaya ...	Aurangabad ...	...	...	0'16	0'18	...	...	...	2	0'34	0'21	0'62	0'50	1'36	1'38
		Gaya ...	...	...	0'08	0'10	...	...	...	1	0'18	0'20	0'20	0'45	0'61	1'67
		Nasudah ...	...	...	0'05	...	...	...	...	Nil	0'05	0'32	0'67	0'63	0'88	1'67
		Jahanabad ...	...	...	0'14	...	...	...	...	1	0'14	0'21	0'22	0'20	0'34	1'58
		Arwal ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?	?
		Daudnagar ...	...	...	0'20	...	...	...	...	1	0'20	?	?	?	0'30	?
		Shyghat ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?	?
		Rajaul ...	...	...	0'04	...	...	...	...	Nil	0'04	?	?	?	0'02	?
		Pakri Barawan ...	...	...	...	...	...	...	...	Nil	Nil	?	0'04	?	2'09	?
		Patna ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	0'42	?
	Patna ...	Patna ...	...	...	0'03	...	...	...	...	Nil	0'05	0'20	0'27	0'47	0'41	1'71
		Imbapora ...	...	...	0'07	...	...	...	...	Nil	0'07	0'20	0'58	0'48	0'32	1'04
		Wahar ...	...	...	0'14	...	...	...	...	1	0'14	0'17	0'14	0'25	0'44	1'81
		Barh ...	...	...	...	...	...	...	...	Nil	Nil	0'11	0'05	0'37	0'60	1'07
		Bisram ...	...	...	...	0'04	...	...	...	Nil	0'04	?	?	?	0'28	?
	Monghyr ...	Hilsa ...	...	...	...	...	...	...	...	Nil	?	0'04	?	?	0'31	?
		Regusarai ...	...	...	0'20	...	...	...	...	1	0'20	0'19	0'20	0'32	2'40	2'00
		Monghyr ...	...	...	0'04	...	...	...	...	Nil	0'04	0'14	0'04	0'37	0'10	1'78
		Jamui ...	...	...	0'09	0'01	...	...	...	Nil	0'10	0'11	0'13	0'17	0'97	1'37
		Shatpura ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	0'57	?
	Mouthe Far-ganas.	Chahar Banda ...	...	...	0'08	...	...	...	...	Nil	0'04	?	0'18	?	1'30	?
		Rajmalai ...	...	...	...	0'04	...	...	...	Nil	0'04	0'07	0'11	0'15	0'70	1'21
		Adoda ...	...	...	0'07	0'03	...	...	...	Nil	0'00	0'11	0'41	0'30	0'81	1'14
		Pikour ...	...	...	...	...	...	...	...	Nil	Nil	0'00	0'12	0'24	3'50	1'63
		Naya Lunke ...	...	...	0'09	0'22	...	...	...	1	0'31	0'08	0'30	0'43	1'41	1'74
		Doughur ...	...	...	...	...	...	...	...	Nil	Nil	0'14	0'23	0'38	0'73	1'84
		Jawara ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	2'19	1'06
		Belboda ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?	?
		Nasihat ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	0'12	?
		Pachamba ...	...	...	...	0'01	...	...	...	Nil	0'04	0'00	0'17	0'28	3'24	1'50
CHOTA NAGPUR.	Hazaribagh ...	(Giridih). ...	...	...	0'05	0'15	...	...	...	1	0'20	0'17	0'32	0'42	3'00	1'80
		Semta ...	...	...	...	...	...	...	...	Nil	0'00	0'10	0'10	0'43	1'46	?
		Mahadi Hills ...	...	...	...	...	...	...	...	Nil	0'00	0'31	0'01	0'01	1'73	?
		Jhumra Hill ...	...	...	...	0'08	...	...	...	Nil	0'08	?	?	?	1'30	?
		Karhi ...	...	...	0'23	0'21	...	...	...	2	0'44	?	0'22	?	1'40	?
		Chatra ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	1'08	?
		Karapicha ...	...	...	0'05	...	...	...	...	Nil	0'05	?	?	?	1'34	?
		Ramgar ...	...	...	...	...	...	...	...	Nil	?	?	?	?	3'33	?
	Lohardaga ...	Lohardaga ...	...	...	0'06	...	...	...	...	Nil	0'06	0'20	0'20	0'53	0'11	2'55
		Kanchi ...	...	...	0'02	...	...	...	...	Nil	0'02	0'25	0'15	0'63	0'43	3'00
		Silli ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	3'35	?
	Palamau ...	Palamau (Daj. ...)	...	...	0'10	...	...	...	...	1	0'18	0'18	0'19	0'57	0'76	3'01
		Isanpur ...	...	...	0'03	0'06	...	...	...	Nil	0'00	?	0'14	?	3'73	?
		Isanpur ...	...	...	0'04	0'31	...	...	...	1	0'13	?	0'04	?	1'56	?
		Garkwa ...	...	...	0'13	...	...	...	...	1	0'13	?	0'21	?	1'24	?
	Singbhum ...	Chaitanya ...	...	...	...	...	...	0'30	...	1	0'30	0'29	0'30	0'55	0'37	2'34
		Chakardhar ...	...	...	...	...	...	0'00	...	Nil	0'00	?	0'09	?	0'10	?
		Chatsila ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	4'15	?
		Baharagura ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	4'35	?
	Manbhum	Purulia ...	...	...	...	0'20	...	...	...	1	0'20	0'23	0'35	0'30	4'70	1'61
		Golindpur ...	...	...	...	0'16	...	...	...	1	0'16	0'14	0'17	0'43	1'37	1'66
		Raghunath ...	...	...	...	0'05	...	...	...	Nil	0'05	?	?	?	1'74	?
		Karakabhum ...	...	...	...	0'12	...	0'05	...	1	0'17	?	0'05	?	5'41	?
		Jhalda ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	1'98	?
		Chas ...	...	...	...	0'25	...	...	...	1	0'25	?	0'55	?	2'98	?
		Pundra ...	...	...	...	0'30	...	...	...	1	0'30	?	0'30	?	1'35	?
		...	...	...	...	...	...	...	...	...	...	...	...	...	...	?

Explanation.—... indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0'1 inch of rain has fallen.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS  
TAKEN IN BENGAL FOR THE WEEK ENDING 8 A.M., SATURDAY,  
THE 21st OF JANUARY 1893.**

At the close of the previous week pressure had fallen continuously and by rather considerable amounts, and had become in defect of the normal by almost a seventh of an inch. So low had the pressure become, therefore, that what almost amounted to a feeble barometric depression existed over Bengal, and with this low pressure unusually high temperature and high humidity with rather clouded skies obtained. On the 15th, or the first day of the present week, a further rather rapid fall of pressure took place over the west of the province, and a moderate fall elsewhere, and the defect increased to nearly a fifth of an inch in the west of Bihār, while over Northern India generally no less than three feeble low pressure areas existed. A fall of temperature had also occurred in Bengal, and it had become below the normal. Pressure again fell by small amounts on the 16th, and it became very uniform over the whole province, while winds became very irregular, and at the eastern stations there was a distinct tendency for moist southerly winds to set in. A wave of comparatively high temperature also began to advance on the 16th over the western half of the province, where a moderate excess was shown, though defects were registered elsewhere. On the 17th, a slight increase of pressure began in Bengal, but a distinct low pressure area still existed over parts of South-West and Central Bengal, while a large low pressure area also was shown over the Central and North-West Provinces; southerly winds were also reported in Orissa, South Bengal, and part of East Bengal, and these brought up considerable amounts of moisture. Temperature also rose rapidly over the remainder of the province and became largely above the normal, the excess equalling about  $5^{\circ}$  at many stations, so that on this day conditions generally were very abnormal. With these disturbed conditions rather numerous but light rain showers were reported on the 17th from North and South Bihar and parts of Chota Nagpur. On the 18th, pressure had again commenced to fall at all stations, and a distinct low pressure area existed over South and South-East Bengal. Winds, however, were rather less strongly southerly than they were on the previous day and had become decidedly irregular. Rainfall on the 18th had extended and was reported from a considerable part of South-West Bengal, and East Bengal while it continued in parts of Bihar and Chota Nagpur, but the amounts were again small. On the 19th pressure commenced to rise rather rapidly, but it was still nearly a tenth of an inch below the normal, and winds slowly began to resume their north-westerly direction; the excessive temperature also commenced to decrease, and the excess on this day was only equal to about  $1^{\circ}$  to  $3^{\circ}$ . The rainfall reported on the 19th was confined to a few showers in South, West, North, and East Bengal. On the 20th a further rapid increase of pressure took place, in some cases exceeding a tenth of an inch, and the distribution of pressure became almost normal, though there was still a defect of about  $0.01''$  or  $0.02''$  over a considerable part of the province. Winds had, however, again become rather irregular in direction, and cloud proportion was rather high, but the rainfall was confined to a few showers in Orissa and Chota Nagpur. On the 21st, or the last day of the week, pressure again rose, the increase being largest at the central stations, and pressure became comparatively low in South Bengal, and particularly at Saugor Island and in the north-west angle of the Bay, while winds in South Bengal and Orissa began to shift round to north-easterly and easterly. Rather heavily clouded skies continued to be reported, but practically no rain fell except in Orissa, where at some stations it was rather heavy. A rather rapid fall of temperature had taken place at all except the southern stations, and it was below the normal by  $2^{\circ}$  to  $4^{\circ}$  in all districts, except South Bengal and Orissa. Conditions therefore were again disturbed and unsettled at the close of the week.

Practically, therefore, almost throughout the week conditions have been unusual and weather has been distinctly unsettled almost throughout this period. The disturbance has resulted in rainfall in all divisions, but except in Orissa and East Bengal, where moderate amounts of a quarter to half an inch are reported, the falls have been generally light and do not average more than about a tenth of an inch.

*Pressure*.—Has been unusually low almost throughout the week, and the mean pressure for the week has been about a tenth of an inch in defect of the normal; the average defect equalling from  $0.09''$  to  $0.12''$ , and the defect being generally largest in the west of the province.

*Temperature*.—The changes of temperature during the week have been unusually large, and the mean of the week for the whole province has been in excess of the normal by  $0.7^{\circ}$ . The excess has been largest in North Bihar and in East and South-West Bengal, and, on the other hand, slight defects have been registered in Chota Nagpur and North Bengal.

The distribution of temperature for the week in the province generally and its variation from the normal value are clearly seen in the table below, where the average maximum minimum and mean temperatures at nine typical stations in different districts of the province are compared with their normal values for the period :—



Table showing the excess or defect of the actual mean temperature from the normal for the week ending 21st January 1893.

	Normal mean maximum temperature for the week ending 21st January.	Actual mean maximum temperature for the week ending 21st January 1893.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 21st January.	Actual mean minimum temperature for the week ending 21st January 1893.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 21st January.	Actual mean daily temperature for the week ending 21st January 1893.	Variation of actual mean from the normal.
Cuttack	84.7	83.0	-1.7	60.3	60.5	+0.2	72.5	71.7	-0.8
Calcutta	76.8	77.6	+0.8	55.5	57.8	+2.3	66.2	67.7	+1.5
Dacca	78.4	77.2	-1.2	55.0	56.4	+1.4	66.7	66.8	+0.1
Burdwan	78.4	78.9	+0.5	54.4	55.5	+1.1	66.4	67.3	+0.9
Fatna	72.7	74.7	+2.0	50.1	50.3	+0.2	61.4	62.4	+1.0
Gaya	75.0	76.4	+1.4	50.9	52.0	+1.1	63.4	64.2	+0.8
Purnea	74.0	73.9	-0.1	48.3	47.4	-0.9	61.0	60.7	-0.3
Hazariabagh	73.9	72.4	-1.5	50.5	49.4	-1.1	61.7	60.9	-0.8
Darjeeling	44.4	39.5	-4.9	31.8	31.7	-0.1	39.7	35.6	-4.1

*Rainfall.*—The heaviest falls have occurred in Orissa, where an average amount of 0.40 inch has been received and where the falls have been largest in the Puri and Cuttack districts. East Bengal has received an average fall of 0.25 inch, and in this division the districts of Chittagong Hill Tracts and Backergunge have received the largest amounts. In Chota Nagpur the falls have averaged 0.15 inch, the Singhbhum district having received the heaviest falls; but in all other divisions the falls have been about a tenth of an inch and less, and the only districts where moderate falls have been received have been Bankura, Pabna, Darjeeling, and Gaya. Compared with the normal, the falls in Orissa and East Bengal have been in distinct excess, but elsewhere they have been in defect.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 21st of January 1893:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 10th Oct. 1892.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa ... ..	85.4	53.5	80.1	61.3	70.7	+0.5	0.40	0.17	+0.23	0.30	0.33	+0.48	0.41	0.20	6.36	4.24
South-West Bengal ... ..	83.3	47.3	77.9	56.3	67.1	+1.0	0.08	0.16	-0.10	0.24	0.47	-0.13	0.07	0.51	5.03	2.97
North Bengal ... ..	78.6	43.5	73.8	50.3	61.9	-0.5	0.08	0.12	-0.04	0.24	0.25	-0.01	0.26	0.34	1.07	1.45
East Bengal ... ..	82.3	49.0	70.4	55.5	66.0	+1.3	0.25	0.18	+0.07	0.60	0.38	+0.22	0.25	0.35	8.21	3.11
North Bihar ... ..	79.5	40.0	74.1	48.0	61.5	+0.2	0.06	0.21	-0.15	0.17	0.43	-0.26	0.38	0.49	0.53	1.48
South Bihar ... ..	81.4	44.4	75.8	51.3	63.6	+1.1	0.11	0.17	-0.06	0.36	0.24	+0.02	0.26	0.45	1.06	1.84
Chota Nagpur ... ..	84.5	45.2	75.0	51.4	63.2	-0.2	0.15	0.21	-0.06	0.64	0.52	+0.12	0.27	0.47	4.34	1.65

METEOROLOGICAL OFFICE, BENGAL,  
The 24th January 1893.

A. PEDLER,  
Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from  
15th to 21st January 1893.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
		°		Inches.	°	°	°	°	°	Inches.	°	%			Inches.	
Jan.	15th	130.3	9.5	29.873	63.4	77.0	25.9	51.1	56.7	0.375	51.0	67	WSW and calm...	39	Nil	Clear, $\Delta$ .
"	16th	131.9	8.8	28.866	65.5	79.9	26.2	53.7	61.1	.486	58.1	70	WSW, S by W and calm.	82	"	Chiefly clear, $\Delta$ , $\equiv$ .
"	17th	130.0	9.6	28.82	68.7	79.9	17.7	62.2	63.3	.510	59.5	75	S by W, NE and variable.	98	"	Clear, $\Delta$ .
"	18th	131.8	9.3	28.74	69.3	79.9	20.6	60.3	64.3	.540	61.1	77	WSW and variable.	114	"	Chiefly clear.
"	19th	129.5	7.4	28.81	69.3	76.6	17.5	59.1	62.3	.472	57.3	67	NNW and variable.	68	Not measurable.	Day clear; night cloudy, $\Delta$ , $\circ$ .
"	20th	123.3	2.0	30.003	66.1	73.0	12.9	60.1	64.5	.450	56.0	71	NNW and calm...	29	Nil	d. Chiefly cloudy, $\circ$ .
"	21st	133.6	3.8	29.027	66.6	75.2	16.1	59.1	58.0	.370	50.6	57	NNE and calm...	55	"	Chiefly cloudy, $\circ$ .

The mean pressure of the seven days ... .. 29.922  
The average pressure of the corresponding period for 24 years, S.-G.'s Office ... 30.021

The total number of hours of bright sunshine ... .. 50.4  
The maximum possible number of hours of sunshine ... .. 76.2

The mean temperature of the seven days ... .. 67.0  
The average temperature of the corresponding period for 24 years, S.-G.'s Office 67.7  
The extreme variation of temperature ... .. 28.8  
The maximum temperature ... .. 79.9

The highest velocity of the wind in one hour ... .. 16  
lbs.

The highest pressure of wind on one square foot ... .. ?  
 $\circ$ .

The mean relative humidity ... .. 70  
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office ... 70

The total fall of rain from 15th to 21st January 1893 ... Nil  
The average fall of the corresponding period for 24 years, S.-G.'s Office ... 0.06  
The total fall from 1st to 21st January 1893 ... Nil  
The average fall of the corresponding period for 24 years, S.-G.'s Office ... 0.17

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Alipore Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

$\Delta$ , dew;  $\equiv$ , fog;  $\circ$ , overcast; d, drizzling rain.

C. LITTLE,

For Meteorological Reporter to the Govt. of Bengal.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;

Calcutta, the 23rd January 1893.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 15th to 21st January 1893.

MONTH	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	TEMPERATURE.				HYGROMETRY.					Rainfall at 10 A.M. for past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1893.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
January ...	15th ...	29.950	65.4	78.9	27.0	51.9	70.1	61.0	.417	54.0	57	Nil
" ...	16th ...	.944	68.4	81.9	27.0	54.9	71.1	63.0	.489	58.3	64	"
" ...	17th ...	.965	71.1	80.9	19.0	61.9	74.6	67.4	.575	62.9	67	"
" ...	18th ...	.920	71.2	81.9	21.4	60.5	74.6	69.6	.658	66.8	77	"
" ...	19th ...	.961	68.4	77.9	19.0	58.9	71.6	61.5	.411	53.7	54	"
" ...	20th ...	30.069	67.2	73.9	13.5	60.4	69.4	59.7	.386	51.8	54	"
" ...	21st ...	.089	67.4	75.9	16.0	59.9	69.6	58.3	.338	48.2	46	"

										Inches.
The mean 10 A.M. pressure of the seven days ...										29.990
										°
The mean temperature of the seven days ...										68.5
The extreme variation of temperature ...										30.0
The maximum temperature ...										81.9
										%
The mean 10 A.M. relative humidity of the seven days ...										60

										Inches.
The total fall of rain from 15th to 21st January 1893 ...										Nil
The daily mean temperatures are the crude means of maximum and minimum temperatures.										

METEOROLOGICAL OFFICE, INDIA,  
The 23rd January 1893.

C. LITTLE,  
For Meteorological Reporter to the Govt. of India.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 14th January 1893, on 1,610½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	286,280	Rs. A. P. 3,32,433 0 0	Mds. S. 27,10,314 10	Rs. A. P. 5,00,312 10 0	Rs. A. P. 18,363 3 0	Rs. A. P. 9,31,134 13 0	77,576½	111,287½	188,864½
Or per mile of railway ...	.....	200 3 4	.....	300 8 11	11 6 5	575 2 8	.....	.....	.....
For previous 1 week of half-year ...	238,002	2,04,118 11 0	22,27,003 10	5,07,247 3 0	18,875 6 0	9,10,241 4 6	71,804	112,370½	187,104½
Total for 2 weeks ...	525,188	5,36,551 11 0	49,37,317 20	10,14,564 13 0	37,238 9 0	18,41,375 1 0	149,380½	223,657½	373,038½
COMPARISON.									
Total for corresponding week of previous year ...	378,460½	2,93,677 9 7	35,14,157 10	5,04,813 9 8	16,776 4 8	9,05,207 7 11	78,125	98,069	177,394
Or per mile of railway corresponding week of previous year ...	.....	185 8 8	.....	375 12 10	10 9 7	571 15 1	.....	.....	.....
Total for corresponding 2½ weeks of previous year ...	575,152	6,31,642 0 11	58,03,177 10	13,05,290 3 6	31,713 15 4	20,28,676 9 5	172,233	224,863	397,036

\* The increase is chiefly due to running of remount and ordinary special trains and to pilgrims.

## TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 14th January 1893, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	18,410	Rs. A. P. 4,561 4 0	Mds. S. 9,217 20	Rs. A. P. 301 2 0	Rs. A. P. 15 0 0	Rs. A. P. 4,880 0 0	800	171	1,040
Or per mile of railway ...	.....	205 2 2	.....	13 8 7	0 10 0	219 5 6	.....	.....	.....
For previous 1 week of half-year ...	18,223	4,024 15 0	9,018 0	407 14 0	15 0 0	5,017 13 0	873	95	968
Total for 2 weeks ...	37,065	8,585 3 0	18,235 20	708 0 0	30 0 0	9,897 3 0	1,672	266	2,008
COMPARISON.									
Total for corresponding week of previous year ...	10,034½	4,492 12 3	10,490 20	381 15 0	16 4 9	4,891 0 0	860	99	968
Or per mile of railway corresponding week of previous year ...	.....	201 14 9	.....	17 2 8	0 11 8	219 13 1	.....	.....	.....
Total for corresponding 2½ weeks of previous year ...	42,370½	10,302 1 6	24,223 20	913 8 0	33 1 3	11,148 10 0	2,014	268	2,228

## DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 14th January 1893, on 101½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	15,073	Rs. A. P. 12,533 1 0	Mds. S. 57,431 10	Rs. A. P. 16,080 5 0	Rs. A. P. 53 0 0	Rs. A. P. 28,620 6 0	5,437	3,079	8,516
Or per mile of railway ...	.....	77 10 5	.....	159 6 2	0 5 3	177 5 10	.....	.....	.....
For previous 1 week of half-year ...	15,321	9,424 3 0	39,839 10	7,870 3 0	60 0 0	17,360 0 0	5,138	3,536	8,674
Total for 2 weeks ...	30,091	21,957 4 0	97,270 20	23,950 8 0	113 0 0	45,980 12 0	10,575	6,615	17,190
COMPARISON.									
Total for corresponding week of previous year ...	13,775	10,794 1 7	48,079 0	7,086 14 0	51 14 3	18,824 13 10	6,204	2,210	8,506
Or per mile of railway corresponding week of previous year ...	.....	60 13 1	.....	49 7 11	0 5 2	116 10 2	.....	.....	.....
Total for corresponding 2½ weeks of previous year ...	30,803	22,231 8 1	1,02,841 0	18,073 10 0	133 9 8	40,438 11 10	13,748	4,069	18,416

\* The increase is chiefly due to running of remount and ordinary special trains and to pilgrims.

## EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K.-D., AND ASSAM-BIHAR SECTIONS.)

*Approximate Return of Traffic for the week ended 14th January 1893, on 777 miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	183,715	77,080 0 0	6,27,442 0	1,13,010 0 0	13,280 0 0	2,03,350 0 0	27,942	31,498	59,440
Or per mile of railway ...	211	99 0 0	808 0	145 0 0	*3 0 0	267 0 0	.....	.....	.....
For previous 1 week of half-year ...	213,215	84,730 0 0	6,56,435 0	1,15,630 0 0	14,670 0 0	2,15,680 0 0	27,972	32,102	60,104
Total for 2 weeks ...	376,930	1,61,810 0 0	12,83,877 0	2,28,640 0 0	27,950 0 0	4,19,030 0 0	55,914	63,590	119,504
COMPARISON.									
Total for corresponding week of previous year ...	164,649	68,041 0 0	5,42,506 0	92,810 0 0	11,337 0 0	1,72,188 0 0	27,538	29,416	56,954
Per mile of railway corresponding period of previous year ...	199	84 0 0	698 0	110 0 0	*2 0 0	209 0 0	.....	.....	.....
Total to corresponding date of previous year ...	384,206	1,60,144 0 0	12,16,514 0	2,02,221 0 0	23,700 0 0	3,91,130 0 0	61,374	65,584	126,958

\* Excluding steamer earnings.

## BENGAL CENTRAL RAILWAY.

*Approximate Return of Traffic for the week ended 14th January 1893, on 125 miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	29,635	10,150 0 0	47,126 0	3,140 0 0	280 0 0	13,610 0 0	3,681	1,001	4,682
Or per mile of railway ...	213	82 0 0	377 0	25 0 0	2 0 0	109 0 0	.....	.....	.....
For previous 1 week of half-year ...	33,729	11,920 0 0	46,587 0	3,480 0 0	50 0 0	14,950 0 0	3,929	1,748	5,672
Total for 2 weeks ...	63,364	22,070 0 0	93,713 0	6,620 0 0	330 0 0	28,560 0 0	7,610	2,749	10,359
COMPARISON.									
Total for corresponding week of previous year ...	24,083	9,228 0 0	60,475 0	3,080 0 0	00 0 0	12,377 0 0	3,651	1,091	4,682
Per mile of railway corresponding week of previous year ...	200	74 0 0	532 0	30 0 0	.....	104 0 0	.....	.....	.....
Total to corresponding date of previous year ...	63,078	23,003 0 0	134,512 0	7,704 0 0	212 0 0	31,010 0 0	8,293	4,704	12,999

## DACCA STATE RAILWAY.

*Approximate Return of Traffic for the week ended 14th January 1893, on 86 miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	18,434	5,400 0 0	23,457 0	1,070 0 0	160 0 0	7,530 0 0	2,487	737	3,224
Or per mile of railway ...	214	63 0 0	261 0	23 0 0	2 0 0	86 0 0	.....	.....	.....
For previous 1 week of half-year ...	16,987	6,160 0 0	17,451 0	1,810 0 0	150 0 0	8,120 0 0	2,487	737	3,224
Total for 2 weeks ...	35,421	11,560 0 0	40,908 0	2,780 0 0	310 0 0	15,650 0 0	4,974	1,474	6,448
COMPARISON.									
Total for corresponding week of previous year ...	16,121	5,100 0 0	6,496 0	834 0 0	47 0 0	6,010 0 0	2,502	723	3,224
Per mile of railway corresponding week of previous year ...	187	59 0 0	75 0	10 0 0	1 0 0	70 0 0	.....	.....	.....
Total to corresponding date of previous year ...	30,023	12,600 0 0	8,182 0	2,007 0 0	163 0 0	14,860 0 0	5,003	1,610	7,543

## BENGAL AND NORTH-WESTERN RAILWAY.

(INCLUDES THE TIRHUT STATE RAILWAY.)

*Approximate return of traffic for the week ending 14th January 1893, on 756 miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 756 miles open ...	81,160	32,390	3,81,680	57,250	12,640	1,02,280	10,300	10,642	20,942
per mile of railway ...	107.54	42.94	504.87	76.73	16.72	135.20	...	...	...
or previous 1 week of half-year ...	81,370	32,530	4,14,100	54,300	11,370	98,360	12,534	17,908	30,442
Total for 2 weeks ...	162,530	64,920	7,95,780	111,550	24,010	2,00,640	22,834	28,550	51,384
COMPARISON.									
Total for corresponding period of previous year on 737 miles open ...	75,523	30,361	3,00,635	30,545	8,053	74,000	11,000	15,750	26,750
per mile of corresponding week of previous year ...	102.48	41.20	408.19	53.71	10.94	100.55	...	...	...
total to corresponding date of previous year ...	162,322	67,705	6,34,830	81,578	18,408	1,08,051	28,370	33,150	61,520

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for the week ending 14th January 1893 ...	7,906	0	0
Corresponding period of 1892 ...	7,204	0	0
Increase ...	702	0	0
Receipts per mile for the week ending 14th January 1893 ...	156	3	2
Corresponding period of 1892 ...	141	4	2
Increase ...	14	15	0
Receipts from 1st to 14th January 1893 ...	15,061	0	0
Corresponding period of 1892 ...	11,268	0	0
Increase ...	3,793	0	0





APPENDIX TO  
**The Calcutta Gazette.**

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WEDNESDAY, JANUARY 25, 1893.

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**NOTICES TO MARINERS.**

**GOVERNMENT OF BENGAL—MARINE DEPARTMENT.**

NOTICE TO MARINERS—No. 10.

[First Publication.]

**BAY OF BENGAL—BURMA COAST.**

*Faquir buoy in position.*

A TELEGRAPHIC communication has been received from the Port Officer, Akyab, stating that Faquir buoy which had broken adrift has been placed in position.

F. F. COLLINGWOOD,  
*for Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 21st January 1893.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

**GOVERNMENT OF BENGAL—MARINE DEPARTMENT.**

NOTICE TO MARINERS—No. 1.

[Third Publication.]

**MAURITIUS—PORT LOUIS.**

*The light-ship in the roadstead has been repaired and re-moored.*

THE following Notice to Mariners, issued by Her Majesty's Government of Mauritius, is republished:—

The light-ship having been repaired is now re-moored in her former position in the roadstead of Port Louis. She is painted white, and shows a white flashing light from sunset to sunrise, visible about nine miles in every direction from seaward from the poop of a large vessel.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 9th January 1893.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

**GOVERNMENT OF BENGAL—MARINE DEPARTMENT.**

NOTICE TO MARINERS—No. 2.

[Third Publication.]

**INDIA, WEST COAST—GULF OF CUTCH.**

*Alteration in Beit harbour (Samiani island) light.*

THE following Notice to Mariners, issued by the Government of Bombay, is republished:—

Information has been received through the Agent to the Governor-General at Baroda that an additional new red sector has been placed in the Beit harbour (Samiani Island) light, extending over the Paga sandbank lying to the south-east of Ohinri reef, visible through an arc of 30°, and lying between the bearings of S. 80° 30' W. and N. 69° 30' W (magnetic.)

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 9th January 1893.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*



## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 3.

[Third Publication.]

BAY OF BENGAL—BURMA COAST.

*A Black Can buoy laid.*

THE Port Officer, Rangoon, through the Director of the Royal Indian Marine, has given notice, that a Black Can buoy has been laid in 24 feet reduced off the tail of the Luffey Sand, in the following position : -

Chokey Point tide gauge	...	...	...	N. 79 E.
North Beacon	...	...	...	S. 58 E.
Danot Pagoda	...	...	...	South.

*(Bearings magnetic.)*

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

K. H. STEPHEN,

CALCUTTA, the 9th January 1893.

*Under-Secretary, Marine Department.*

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 4.

[Third Publication.]

BENGAL—HOOGHLY RIVER.

*Universal system of buoyage—Port of Calcutta.*

IN continuation of Notice to Mariners, No. 107, dated the 20th June 1892, paragraph 5, the Calcutta Port Commissioners give further notice that the mountings of the buoys will now be as follows :—

Starboard hand buoys, coming in from sea, will be surmounted with a black staff and triangle.

Port hand buoys, coming in from sea, will be surmounted by a black staff and cylinder.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

K. H. STEPHEN,

CALCUTTA, the 9th January 1893

*Under-Secretary, Marine Department.*

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 5.

[Third Publication]

BAY OF BENGAL—BURMA COAST.

*Universal system of buoyage—Bassein river.*

THE Port Officer, Bassein, through the Director of the Royal Indian Marine, has given notice, that the buoys in the Bassein river have now all been painted in accordance with the Universal System of Buoyage, viz :—

On the Starboard hand *red*; and on the Port hand *black*, coming up the river; and the Fairway buoy with *black and white* horizontal bands.

There are no Middle ground buoys in the Bassein river.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

K. H. STEPHEN,

CALCUTTA, the 9th January 1893.

*Under-Secretary, Marine Department.*

## GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 6.

[Third Publication.]

JAPAN—INLAND SEA.

AKASHI NO SETO.

*Perch with light on Hira iso reef.*

THE British Admiralty has given notice (No. 558 of 1892) that on 10th October 1892, an iron perch, from which is shown a red flag during the day and a *fixed red* light at night

(about 6 feet above the sea), would be erected on Hira iso reef, north side of east entrance of Akashi no Seto (Akashi strait), pending the construction of a beacon on the reef.

Approximate position: lat.  $34^{\circ} 37' 45''$  N., long.  $135^{\circ} 3' 45''$  E.

NOTE—Mariners are warned that this light may be extinguished during heavy weather.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 9th January 1893.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

# GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 7.

[Third Publication.]

## AUSTRALIA, EAST COAST—MOURILYAN HARBOUR.

*Shoal reported north-east of the harbour.*

THE British Admiralty has given notice (No. 559 of 1892) that the Commander of the R.M.S. *Avoca* reports that the ship touched upon a shoal, on which the depth is estimated to be about 20 feet over soft bottom, lying with the north entrance head of Mourilyan harbour bearing S.  $44^{\circ}$  W., distant  $2\frac{5}{16}$  miles.

Approximate position: lat.  $17^{\circ} 84'$  S., long.  $146^{\circ} 11'$  E.

(Variation  $6^{\circ}$  Easterly in 1892.)

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 9th January 1893.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

# GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 8.

[Third Publication.]

## CHINA SEA—GASPAR STRAIT.

*Bank reported in northern approach.*

THE British Admiralty has given notice (No. 566 of 1892) of the existence of a sand-bank lying in the fairway of approach to Gaspar strait from the northward. This bank, about 7 cables in extent in a north-west and south-east direction, with probably about 2 fathoms water on it in the centre, was passed within half a mile at 11h. A.M., and observations at noon gave an approximate position of lat.  $1^{\circ} 50'$  S., long.  $107^{\circ} 30' 45''$  E.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 9th January 1893.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

# GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 9.

[Third Publication.]

## SOUTH PACIFIC OCEAN—SOLOMON ISLANDS—GUADALCANAR ISLAND.

*Lengo channel—Shoals in south-east approach.*

THE British Admiralty has given notice (No. 567 of 1892) of the existence of two small shoals lying near the "Track recommended" when approaching Lengo channel from the south-east in approximately lat.  $9^{\circ} 27'$  S., long.  $160^{\circ} 28'$  E. It is stated that these shoals are known locally, and that there is about 2 fathoms water on them.

Consequent on the above, the "Track recommended" has been broken in the vicinity of these shoals on Admiralty chart No. 214.

EATON W. PETLEY,  
*Port Officer of Calcutta.*

Published for general information.

CALCUTTA, the 9th January 1893.

K. H. STEPHEN,  
*Under-Secretary, Marine Department.*

